

19990510.qrp v01_n453.qrl.990510

Date: Mon, 10 May 1999 19:35:24 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1453

QRP-L Digest 1453

Topics covered in this issue include:

- 1) [39992] Re: CW Sweepstakes Results
by "Brian J Keegan" <brimail@home.com>
- 2) [39993] Re: Regens
by "Graham Firth" <Graham.Firth@BTinternet.com>
- 3) [39994] Re: Let's liven up 80 m: "top band" for QRP?
by Roy <marion@montana.com>
- 4) [39995] Radio Shack 2N2222 substitute
by W5HNS@aol.com
- 5) [39996] Re: Regens
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 6) [39997] Re: New ham!
by Russ Dow <n7dw@garlic.com>
- 7) [39998] A Good Weekend - WAS at 1,000 miles per watt
by Larry Cahoon <wd3p@juno.com>
- 8) [39999] Re: RS PS cash refund !!
by AA3BP@aol.com
- 9) [40000] FS: Rainbow Tuner + Case + Add-On-Kit
by sda <sda@bellsouth.net>
- 10) [40001] Re: New ham!
by "Frank Grigaliunas" <fgrig@iea.com>
- 11) [40002] Pixie
by RON TODD <k4wz@bellsouth.net>
- 12) [40003] QRPp review (long)
by "Robert P. Okas" <vintage@best.com>
- 13) [40004] Tuner
by "Charles Hamel" <cdhamel@pdq.net>
- 14) [40005] Re: Let's liven up 80 m: "top band" for QRP?
by Ray Colbert <af852@rgfn.epcc.edu>
- 15) [40006] Re: Regens
by "Ed Manuel, N5EM" <n5em@flash.net>
- 16) [40007] Re: CW Sweepstakes Results
by Wayne Alexander <walexan@ipa.net>
- 17) [40008] Re: Regens
by "Dave Fifield" <fifield@pacbell.net>
- 18) [40009] Re: The RATT is howlin'!
by mikemo@ibm.net
- 19) [40010] RE: NC20 receiver problem

by Clive Marshall <kc2dsh@yahoo.com>

20) [40011] RFI on 80 Meters
by Thomas Kuehl <ac7a@uswest.net>

21) [40012] 80 m activation
by "Todd Carpenter" <carpentt@citrine.indstate.edu>

22) [40013] QRPP in MD
by Mike Czuhajewski <wa8mcq@erols.com>

23) [40014] Rechargable alkalines & Wind powered generators
by Tim Ahrens <tahrens@hilconet.com>

24) [40015] No wonder I haven't worked any CW DX
by sda <sda@bellsouth.net>

25) [40016] Re: Rechargable alkalines & Wind powered generators
by "Rod Cerkoney" <rcw@frii.com>

26) [40017] Re: Rechargable alkalines & Wind powered generators
by "Rod Cerkoney" <rcw@frii.com>

27) [40018] Hooked on Phonics (QRP Ver.)
by "Paul Harden, NA5N" <na5n@rt66.com>

28) [40019] Worked CW DX just now on 20M
by sda <sda@bellsouth.net>

29) [40020] Dayton - QRP ARCI web site shows DIDS loc/info
by w4qo <w4qo@amsat.org>

30) [40021] QRP Hall of Fame: A teaser
by Mike Czuhajewski <wa8mcq@erols.com>

31) [40022] Re: Let's liven up 80 m: "top band" for QRP?
by Jim <w7ls@blarg.net>

32) [40023] CANADIAN QRP SPRING BOUQUET--- FLOWER STATION SKED (May 10th---May 16th)
by Earl Murphy <earlmurf@telusplanet.net>

33) [40024] DOH!!
by "Charles Hamel" <cdhamel@pdq.net>

34) [40025] Re: CW Sweepstakes Results
by "Al Gritzmacher" <ae2t@bigfoot.com>

35) [40026] Regen
by pierce@rice.edu (George F. Pierce)

36) [40027] some links for chip ID & datasheets
by Jeff Furman <jfurman@ocs.net>

37) [40028] Re: Regens
by "Robert P. Okas" <vintage@best.com>

38) [40029] AW: [Elecrafft] Let's liven up 80 m: "top band" for QRP?
by "Peter Zenker" <Peter_DL2FI@csi.com>

39) [40030] Re: Dipole
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

40) [40031] HTML version digest - please???
by Stewart Bryant <stewart.bryant@virgin.net>

41) [40032] Re: Let's liven up 80 m: "top band" for QRP?
by "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>

42) [40033] SB Mayflower
by Ben Pooley <bpooley@bar.auracom.com>

- 43) [40034] Suspend
by RayAnNuzzo@aol.com
- 44) [40035] How to stick transparency to front panel?
by Peter_Simpson@ne.3com.com
- 45) [40036] Re: Spring Bouquet--Ben's on 14060.6 (fwd)
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 46) [40037] Re: No wonder I haven't worked any CW DX
by "dor" <elbc@pivot.net>
- 47) [40038] QRP DX
by RON TODD <k4wz@bellsouth.net>
- 48) [40039] Pixie not keying
by Edwin Lappi <ae4ec@usa.net>
- 49) [40040] Re: Marconi Xtals in oven?
by Zack Lau <zlau@arrl.org>
- 50) [40041] Re: How to stick transparency to front panel?
by "Bryan Turner" <turnerw@email.uah.edu>
- 51) [40042] AW: Let's liven up 80 m: "top band" for QRP?
by "Peter Zenker" <Peter_DL2FI@csi.com>
- 52) [40043] AW: No wonder I haven't worked any CW DX
by "Peter Zenker" <Peter_DL2FI@csi.com>
- 53) [40044] New TiCK-4 Available
by Bradley Mitchell <wb8ygg@yahoo.com>
- 54) [40045] Re: Let's liven up 80 m: "top band" for QRP?
by Ron Stark <ku7y@dri.edu>
- 55) [40046] question on qsling
by Scott Howell <showell@hq.nasa.gov>
- 56) [40047] Re: AW: No wonder I haven't worked any CW DX
by elawson@lr.net (Ed Lawson)
- 57) [40048] Winter Issue of QRPP, Who gets it
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 58) [40049] Re: How to stick transparency to front panel?
by "Chris Cieslak" <ccieslak@law.uiuc.edu>
- 59) [40050] Yaesu FS
by rspenc@creighton.edu
- 60) [40051] Re: No wonder I haven't worked any CW DX
by Bruce Rattray <rattray@gpfn.sk.ca>
- 61) [40052] QRPP arrives in Denver
by Brad Mugleston <bmug@gwl.com>
- 62) [40053] SLV AND BLACK WIDOWS
by Brad Bradfield <b_bradfield@yahoo.com>
- 63) [40054] SV: Winter Issue of QRPP, Who gets it
by "Hans =?ISO-8859-1?Q?Sundstr=F6m"?= <hans.sundstrom@telia.com>
- 64) [40055] 80m / TCI wireless modems / life in the 90s
by Allan G Taylor <k7gt@arrl.net>
- 65) [40056] Spring Issue of QRPP to the Printer
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 66) [40057] ANALOG VOLTMETERS
by Brad Bradfield <b_bradfield@yahoo.com>

- 67) [40058] Re: Tuner
by w4bws@juno.com
- 68) [40059] Re: QRPp TYPO ? [diode matching]
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 69) [40060] RE: No wonder I haven't worked any CW DX
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 70) [40061] Re: Tuner
by "Chris Cieslak" <ccieslak@law.uiuc.edu>
- 71) [40062] Re: How to stick transparency to front panel?
by "Robert P. Okas" <vintage@best.com>
- 72) [40063] CW speed and DXing
by Allan G Taylor <k7gt@arrl.net>
- 73) [40064] Great DX Conditions
by "Brad Hernlem" <alihernlem@hotmail.com>
- 74) [40065] "MINI" DDS VFO : Status
by "Steven Weber" <kd1jv@moose.ncia.net>
- 75) [40066] Re: SV: Winter Issue of QRPp, Who gets it
by "Paul Harden, NA5N" <na5n@rt66.com>
- 76) [40067] Re: Tuner
by "W5TB - 'Doc' Drake" <w5tb@SoftHome.net>
- 77) [40068] Correction of CutOff Date for Winter QRPp
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 78) [40069] RE: Let's live up 80 m: "top band" for QRP?
by "Bill Johnson" <b1ljohn@msn.com>
- 79) [40070] RE: Hooked on Phonics (QRP Ver.)
by "Bill Johnson" <b1ljohn@msn.com>
- 80) [40071] RE: CW speed and DXing
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 81) [40072] Re: Let's live up 80 m: "top band" for QRP?
by Dean W Manley <kh6b@juno.com>
- 82) [40073] 80M CW
by "Neal Sacon" <nsacon@hotmail.com>
- 83) [40074] HP 1740A Probes
by "Dennis B. Dolle" <dolledb@cet.com>
- 84) [40075] Re: "MINI" DDS VFO : Status
by "KD4NIX - Will Branch" <kd4nix@qsl.net>
- 85) [40076] Re: Hooked on Phonics (QRP Ver.)
by "KQ6XY" <kq6xy@golldrush.com>
- 86) [40077] Re: Hooked on Phonics (QRP Ver.)
by "Brad Bradfield, PE" <b_bradfield@yahoo.com>
- 87) [40078] Regen Challenge from Mr. Firth
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 88) [40079] Re: ANALOG VOLTMETERS
by "Brad Bradfield, PE" <b_bradfield@yahoo.com>
- 89) [40080] ATTENTION DEADLINE FOR SPRING QRPP May 20th
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 90) [40081] CW Speed, mistakes.
by Bradford D Bilbrey <bigdawg74@juno.com>

- 91) [40082] speed
by "Jerry W. O'Dell" <jwodell@ameritech.net>
- 92) [40083] 80M antennas
by william h ross <k6mgo@juno.com>
- 93) [40084] QRPP
by "C. Lamar Derk" <n3at@ptd.net>
- 94) [40085] 2N2/40, sites and thank-yous
by PDouglas12@aol.com
- 95) [40086] RE: speed
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 96) [40087] used O'Scopes???
by "George Goodroe" <goodroe@worldnet.att.net>
- 97) [40088] Re: ATTENTION DEADLINE FOR SPRING QRPP May 20th
by mwattcpa@earthlink.net (Marty Watt)
- 98) [40089] QRP Dx and Contest Info
by peter barville <peter@barville.demon.co.uk>
- 99) [40090] Winter/Spring issues
by Mark Sailer <msailer@msailer.rhic.bnl.gov>
- 100) [40091] AS-IS was ANALOG VOLTMETERS
by Michael Neverdosky <MichaelN@cycat.com>
- 101) [40092] Re: Tuner
by Richard Rood <fcs@juno.com>
- 102) [40093] Dayton, Paddles, new N3XRV email, etc... (long)
by Chris Cartwright Sr <ccart@phideaux.com>
- 103) [40094] WTB: Connectors
by "Tom Moll" <tomm@xata.com>
- 104) [40095] (Fwd) Re: Shareware RF circuit analysis progra,
by "Steven Weber" <kd1jv@moose.ncia.net>
- 105) [40096] Re: speed
by Dave Sjolín <sjolin@swbell.net>
- 106) [40097] Re: Hooked on Phonics (QRP Ver.)
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 107) [40098] Re: speed
by Ron Stark <ku7y@dri.edu>
- 108) [40099] Re: 80M antennas
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 109) [40100] Re QRPP
by "Charles Hamel" <cdhamel@pdq.net>
- 110) [40101] Cut off for QRPP
by "Glen Torr" <glentorr@ozemail.com.au>
- 111) [40102] Mods to Power Supple
by Brad Mugleston <bmug@gwl.com>
- 112) [40103] Forget my last post
by "Glen Torr" <glentorr@ozemail.com.au>
- 113) [40104] Re: Regens
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 114) [40105] Diode Match-TNX!
by mjfitz@uswest.net

- 115) [40106] Re: Regens
by "Graham Firth" <Graham.Firth@BTinternet.com>
116) [40107] Re: How to stick transparency to front panel?
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
117) [40108] QRPp, Mouser in that order
by K2UD@aol.com
118) [40109] Need Phone # (Antennas & More)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
119) [40110] Re: 80M CW
by Jim <w7ls@blarg.net>
120) [40111] FS: Audio filters
by Tom Bowman <tbowman@nbn.net>
121) [40112] RE: How to stick transparency to front panel?
by dcscott@us.ibm.com
122) [40113] Re: CW speed and DXing
by Hank Kohl K8DD <k8dd@contesting.com>

Date: Sun, 9 May 1999 18:55:12 -0400
From: "Brian J Keegan" <brimail@home.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [39992] Re: CW Sweepstakes Results
Message-ID: <000101be9a6f\$eb564720\$12960318@cc1016490-a.vron1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

SSB results should be in the July issue of QST.

Brian KF2HC

Date: Sun, 9 May 1999 20:38:34 +0100
From: "Graham Firth" <Graham.Firth@BTinternet.com>
To: <ki6ds@dpol.k12.ca.us>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>, "GQRP list" <gqrp@onelist.com>
Subject: [39993] Re: Regens
Message-ID: <001501be9a53\$b70d0740\$02010080@graham>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi

> Guys, I have scanned in the schematic and the parts list for the Desert Ratt
> 3, a very easy to build Regen designed by NA5N, Paul Harden.

Hmm..... I think it's time that a challenge was issued to Mr KI6DS. He seems to issue yet another challenge every day - so Doug my dear, dear friend - here is my challenge:

I bet you that my entry for the regen competition is better than yours - smaller - more sensitive - in a better and more novel container - draws less power - and anything else you can think of!

And what will I do if he wins?

Well, Doug is very fond of some Yorkshire delicacies and he has asked me to bring him some Wensleydale cheese, some Yorkshire tea, and some Eccles cakes - so, if he manages to beat me, I'll pay up with DOUBLE quantities of them, but, if he loses he only gets a little taste and I'll offer the rest around the room!

What more can I say?

My friend Tony G4WIF/K4WIF is also constructing a regen, but I won't issue a challenge on his behalf - he can do it himself!

So Doug - get out the soldering iron some Norcal resistors, some Norcal capacitors and some Norcal toroids and get building. You have almost five weeks!!

Good luck

Graham
G3MFJ/W3MFJ

Date: Sun, 09 May 1999 17:19:57 -0600
From: Roy <marion@montana.com>
To: n6kr@elecraft.com

Cc: qrp-1@lehigh.edu
Subject: [39994] Re: Let's liven up 80 m: "top band" for QRP?
Message-ID: <199905092318.RAA13125@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:52 AM 5/9/99 -0700, you wrote:

>The other evening I was hunting for CW activity on 80 m when I came upon a
>rather disturbing QSO. One station referred to 80 m (CW) as a "...dead and
>dying band." The other quickly agreed. Both stations were on the west
>coast. I believe there is more activity on the east coast, but still this
>is a sad state of affairs. There seems to be more interest in 160 m than in

>80 m *is* underutilized, especially on the west coast, and the QRP
>community may be able to do something about it. The New England QRP Club
>has done a great job over the years of promoting operating on the
>color-burst frequency, 3579 kHz, and there seems to be some QRP contest
>activity up there on occasion. But there isn't nearly as much general
>interest in 80 m as one would hope to see.

>

>So, let's take the 80 m challenge and pepper the band with QRP QSOs on
>evenings when we might have been tempted to limit ourselves to 40 m. Making
>contact on 40 then moving down to 80 is another possibility.

>

>Wayne Burdick
>N6KR

>

I sure would like to get a response to my CQs on 3.560 as well. I put the
K2 or Sierra on 80 a few times a week, and have only once got a response.
I have made more QRP QSOs on 160. Roy AB7CE, Montana

Date: Sun, 9 May 1999 19:23:50 EDT
From: W5HNS@aol.com
To: qrp-1@lehigh.edu
Subject: [39995] Radio Shack 2N2222 substitute
Message-ID: <288f8ba0.24677306@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Would someone please tell me what the Radio Shack 2N2222 equivalent
is. All I am doing is constructing the interface between transceiver and
computer to use a logging program. Radio Shack has a MPS2222A (276-2009)

that looks like it will work.

Reminder: Texas QSO Party coming up REAL SOON with a QRP category.

May 22 - 23.

Henry W5HNS

Texas DX Society

Date: Sun, 9 May 1999 16:33:30 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: "Graham Firth" <Graham.Firth@BTinternet.com>
Cc: <qrp-1@lehigh.edu>
Subject: [39996] Re: Regens
Message-ID: <01be9a74\$58c45be0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Graham, I accept the challenge with pleasure. But, the stakes are far, far too dear. I would suggest that if I lose, I must travel to England and take you and your lovely bride Patricia out for dinner in the year 2000. If you lose, you must travel to the United States and take my lovely bride and me out to dinner and I would suggest that Pacificon 2000 would be a lovely time to do this.

Please don't ask me to wager the wonderful delights that you are bringing across the pond. I have waited since the last time we met to savor the wonderful cheese and Eccles cakes. I cannot give them up. Please accept the lesser wager that I have proposed.

I also propose that the judges be Mr. C. Adams from Dallas, Texas, Mr. P. Harden from Socorro, New Mexico and you may choose two of your fellow countrymen to represent your side. Since there will only be two Englishmen in attendance other than yourself, I suggest that you have. Rev. G. Dobbs, and Mr. T. Fishpool. We will ask these 4 to pick a 5th judge from among those in attendance. These honored and esteemed gentlemen shall determine the outcome of our friendly wager Saturday night, June 12, 1999, at 8:00 PM.

Now, where did I put that solder??? 72, Doug, KI6DS

72, Doug, KI6DS/M0BIV

-----Original Message-----

From: Graham Firth <Graham.Firth@BTinternet.com>

To: ki6ds@dpol.k12.ca.us <ki6ds@dpol.k12.ca.us>; Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>; GQRP list <gqrp@onelist.com>
Date: Sunday, May 09, 1999 3:54 PM
Subject: Re: Regens

>Hi

>> Guys, I have scanned in the schematic and the parts

>list for the Desert Ratt

>> 3, a very easy to build Regen designed by NA5N, Paul

>Harden.

>

>Hmm..... I think it's time that a challenge was issued

>to Mr KI6DS. He seems to issue yet another challenge

>every day - so Doug my dear, dear friend - here is my

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>

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>better than yours - smaller - more sensitive - in a

>better and more novel container - draws less power - and

>anything else you can think of!

>

>And what will I do if he wins?

>

>Well, Doug is very fond of some Yorkshire delicacies and

>he has asked me to bring him some Wensleydale cheese,

>some Yorkshire tea, and some Eccles cakes - so, if he

>manages to beat me, I'll pay up with DOUBLE quantities

>of them, but, if he loses he only gets a little taste

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>What more can I say?

>

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>but I won't issue a challenge on his behalf - he can do

>it himself!

>

>So Doug - get out the soldering iron some Norcal

>resistors, some Norcal capacitors and some Norcal

>toroids and get building. You have almost five weeks!!

>

>Good luck

>

>Graham

>G3MFJ/W3MFJ

>

>

Date: Sun, 09 May 1999 16:47:54 -0700
From: Russ Dow <n7dw@garlic.com>
To: fred.devries@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [39997] Re: New ham!
Message-ID: <37361EAA.323AE54@garlic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Congratulations, Fred!

The Pixie may be fun as a novelty. But as somebody mentioned in another response, you might not make all that many contacts with one, which could lead to frustration. I know several people out here with them, and that seems to be their experience too.

Many of us have done the unemployment thing, so we recognize your need to watch the budget. But as a practical matter, you'd be *much* happier if you can find a way to spring for a modest priced single bander with a superhet receiver. Some are available as board kits for \$75 or so, with enclosures optional (i.e., purchase later.)

Better yet, maybe there's somebody in your area who might loan you a rig until you can get on your feet again. How about it, gang? Can anybody help out?

72, and good luck with the career change!

Russ N7DW
Morgan Hill, CA

fred.devries@mindspring.com wrote:

> so money is real tight here.) Maybe
> I'll order and try to construct a "Pixie2". What do you think? Is that a
> beginner project?
>
> Fred DeVries
> Kalamazoo, MI

Date: Mon, 10 May 1999 00:07:26 +0100
From: Larry Cahoon <wd3p@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [39998] A Good Weekend - WAS at 1,000 miles per watt
Message-ID: <19990510.000727.4294.0.wd3p@juno.com>

This was a good weekend. This afternoon I managed to catch up with Joyce, KD8HB/M in Boone county WV at 100 mWatts to complete WAS at over 1,000 miles per watt. This one should be around 2,500 miles per watt. I need her card and a card back from RI to have them all confirmed. Then less than an hour later I picked her up again in Wyoming county, WV at 500 mWatts to make the 1,000th county worked QRPP.

Time for some celebration,
72/73 de Larry.....WD3P in MD

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 9 May 1999 20:22:56 EDT
From: AA3BP@aol.com
To: radman@best.com, qrp-1@lehigh.edu
Subject: [39999] Re: RS PS cash refund !!
Message-ID: <4bed35be.246780e0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 99-05-07 03:12:29 EDT, radman@best.com writes:

<< Remember to stop by RS and pick up your CASH refund if you
purchased your switching PS (22-503) prior to the sale
date. >>

BUT..., as I found out the hard way, simply presenting the receipt proving purchase within the past 30 days is not enough! Per my local Radio Shack, one must re-box the Pwr Supply and present it at the store in sellable condx-- whereby a cash refund will be given. Then, presumably, I can re-purchase it at the lower price. I will try this route tomorrow. (Silly me...I envisioned presenting the receipt and walking away with \$10!)

For \$10, it's worth the effort, though!!

Jim, AA3BP

Date: Sun, 09 May 1999 19:29:38 -0500
From: sda <sda@bellsouth.net>
To: qrp-1@Lehigh.EDU
Subject: [40000] FS: Rainbow Tuner + Case + Add-On-Kit
Message-ID: <199905100020.UAA11051@mail4.lig.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Since I now have the ZM-2 tuner, I decided I won't be needing the Rainbow Tuner anymore. Will sell it for what I have in it:

Rainbow tuner kit, 95% finished, includes all original parts + panel mount air variable cap, +12V (tiny) battery which is mounted on the PC board w/ battery holder. Also includes the AWESOME custom case made by Doug Hauff, KE6RIE. Includes original manual. All switches, BNC connector, and banana plug jacks are already mounted in the case, they just need to be wired to the PCB. As if that wasn't enough, I will throw in an unbuilt rainbow tuner add-on kit that extends the range of coverage.

Price: \$80 (Shipping included for lower 48 states)
[will consider trade for unbuilt Wilderness SST or unbuilt Small Wonder Labs SW30+]

72

Todd Atkins, K4MSW
Baton Rouge, Louisiana

<http://www.qsl.net/k4msw>

Date: Sun, 9 May 1999 17:33:48 -0700
From: "Frank Grigaliunas" <fgrig@iea.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40001] Re: New ham!

Message-ID: <199905100038.RAA22543@comtch.iaa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Russ Dow <n7dw@garlic.com> wrote:

> The Pixie may be fun as a novelty. But as somebody mentioned in another
> response, you might not make all that many contacts with one, which could
lead
> to frustration. I know several people out here with them, and that seems
to be
> their experience too.

I built a Pixie as my first radio, and I have yet to make a contact on it.
On the other hand, my Emtech NW40 with a cut-to-fit dipole gave me contacts
all over the western U.S. while I still didn't have a very good ear or a
very good understanding of balancing volume, bandwidth, and tuning to get
an intelligible signal (not that I do now).

I love my Emtech and wouldn't recommend any other, but that's only because
I have never used any other QRP rig. I'm sure, though, that any of the
low-price single-banders would be a better choice for a first rig than the
Pixie.

Looking back on it, it would probably be best to start with an old QRO rig,
such as my TS-520S, which I love as much as my Emtech and which cost less
than \$300. However, the Kenwood doesn't have the CW filter installed,
which is a bit of a pain, and if I had started with it, I might have gotten
hooked on phone and QRO from the beginning.

The idea of borrowing a rig (or maybe even renting one) from a local ham is
probably the best idea. I've only been in this racket for a couple years,
but I get the idea these hams are the friendliest bunch of guys around and
it wouldn't be hard to find somebody with an old rig in the basement who
would love having the attention of showing you how to set it up and start
making contacts.

I think the Little Rock callsign server will let you search by zip code.
That way, you can find the names and addresses of all the hams in your
neighborhood. Once you have that, call around and ask advice. I would bet
that if you just explained your situation and asked for advice, you'd
probably be offered a loaner without asking before you'd made too many
calls.

In any case, good luck and hope to see you on the air.

--Frank, AB7YT

Frank and Karen Grigaliunas, W. 1816 Dean, Spokane, WA 99201
fgrig@iea.com --*-- (509) 326-7147 --*-- <http://www.iea.com/~fgrig/>
"If you're happy and you know it, clank your chains."

Date: Sun, 09 May 1999 20:54:15 -0400
From: RON TODD <k4wz@bellsouth.net>
To: QRP POST <qrp-1@Lehigh.EDU>
Subject: [40002] Pixie
Message-ID: <37362E37.1DAD236A@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The way to make contacts with a pixie is prearrange contact. It works
but you right hard to make contacts.
For a first time transmitter look into the VECTRONICS sold by
TekAmerica in Atlanta. For \$19.00 it is a good one. I did not like the
Receiver but it was fun too. Ive make some contacts with it. It has a
built in T/R switch also. Good luck
Ron

Date: Sun, 9 May 1999 18:17:50 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: qrp-1@lehigh.edu
Subject: [40003] QRPP review (long)
Message-ID: <Pine.BSF.4.10.9905091635140.6985-100000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang,

One o' these days, I'll return to a somewhat normal lifestyle (ha!)
and get down to just one job instead of the job-and-a-half I have now. I'm
taking time away from work this Sunday afternoon (while an FPGA design
compilation crunches along in the background) to make a public comment
regarding the latest QRPP. Yup, I did receive my copy late last week here
in NorCal territory, but rather than offer yet another data point for post
office tracking purposes, I thought I'd do a mini-review.

Disregarding my general aversion to superlatives for the moment, I am

simply astounded by the fantastic quality of this issue! The 2N2/40 is going to be a fun rig to build. What strikes me most is 'Heathkit' quality of the drawings and instructions. Paul, NA5N, is a true artist! Interested builders should have at least a 99% chance of building a working rig just by soldering up the parts to duplicate the illustrations alone. To paraphrase the movie, "If you build it, it will run." Very little is assumed here. From illustrating the Manhattan technique to detailed instructions for winding toroids, this is one great construction issue for newcomers. Seasoned veterans should have a great time building this respectable rig as well.

Not only is it possible to build a working qrp rig from scratch, but there's plenty of important design information provided, the why's and how's of the circuitry. I found the "2N2/40 on the Test Bench" sidebars very informative. They offer a peek into the inner workings of the subcircuits that you don't normally see in construction articles. I remember a long time ago when I was a ham wannabe and read construction articles in QST and the ARRL handbooks. I always wanted answers to the question "Why did they do it that way?", but they were never obvious to me back in high school.

On page 20 of the latest QRPP, there's a pretty clear explanation why Jim Kortge, K8IQY, chose to include C15 in the VFO buffer tank circuit. Not only that, but the significance behind the decision. The question, "So what if C15 knocks down the 2nd and 3rd L0 harmonics?" is clearly addressed.

Even the circuit description portions go into such explanations, as on page 18, as "Type 7 cores have the best temperature characteristics of any of the commonly available cores. ... What frequency drift occurs is downward... To compensate for this drift, a negative temperature coefficient capacitor is employed, C12a, which moves the frequency upward with increasing temperature." This might be obvious to folks who have some experience in designing and building their own rigs, but not to the newbie.

The brief PSpice analysis offers further detailed information into the details of the rig's operation. Not only that, it offers a glimpse of how to design, build and test a virtual circuit without getting the soldering iron warm. This is a great introduction into current engineering practices and allows one to try out various designs quickly. Did I mention how it's possible for a newbie to understand the inner working of the 2N2/40?

I can't forget to mention Preston Douglas's, W2JV's, step-by-step 2N2/40 building article. Although he beat us to the punch by obtaining insider information, there's a wealth of information in his article as well and it probably helped shake out some mistakes from the draft text.

In summary, this issue sets a new standard for construction article quality for publications to come. Of course, nearly the entire issue of QRPp was devoted to just one rig, something we probably won't see again for a while. Even if one choses not build the 2N2/40, the information presented is invaluable in helping diagnose or modify other rigs for better operation. IMHO, this issue alone is worth the annual subscription cost.

Jim Kortge gets a tip o' the hat for a stepping up to the plate, coming up with a workable rig and doing a fine job documenting it. Of course, Wayne Burdick deserves credit for throwing down the guantlet and issuing the original challenge. My personal thanks go out to Doug Hendricks and Jim Cates, two folks behind the scenes who made this issue happen in their own direct and indirect ways. Can't forget Paul Harden, who I'm sure spent some bench time with this design, illuminated Jim Kortge's text, set the type and printed and bound the issue. Did I mention he's an artist? Thanks too for Preston Douglas proof-building 2N2/40 serno #2.

Well the compilation's been done for some time now and I gotta run. Standard disclaimers apply. I'm just an enthusiastic NorCal member.

73,
Bob - W3CD

Date: Mon, 19 Apr 1999 08:18:31 -0500
From: "Charles Hamel" <cdhamel@pdq.net>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [40004] Tuner
Message-ID: <011501be8a67\$20e51060\$e4e690d1@cdhamel>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

I have a MFJ 971 Tuner and on the back it has a plug for a 12v supply for meter, does this mean If I don't need the light on the meter, that I dont need power to my antenna tuner.

Other words does the MFJ-971 work without power?

Thanks

Charles

Date: Sun, 09 May 1999 19:24:54 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>
To: qrp-l@lehigh.edu
Subject: [40005] Re: Let's liven up 80 m: "top band" for QRP?
Message-ID: <37363566.E1064149@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I agree Wayne. Sure would be nice to get more activity going on the band. In this part of the desert southwest, the MexFeds think it is their frequency range and if we show up with a lot of activity perhaps they will get the idea to go away and do something worthwhile. I am often on 80, but just never do hear anyone these days, and when I do call, no response. soon to change?

73
Ray
--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Sun, 09 May 1999 20:46:29 -0500
From: "Ed Manuel, N5EM" <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [40006] Re: Regens
Message-ID: <3.0.5.32.19990509204629.0097d4d0@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I bet you that my entry for the regen competition is
>better than yours - smaller - more sensitive - in a
>better and more novel container - draws less power - and

>anything else you can think of!

Hey! Who says smaller is better?? See you in Dallas.

Ed, N5EM

Ed Manuel, N5EM
Houston, Texas

n5em@amsat.org
atv@cq-vhf.com

Date: Sun, 09 May 1999 21:08:26 -0500
From: Wayne Alexander <walexan@ipa.net>
To: qrp-1@lehigh.edu
Subject: [40007] Re: CW Sweepstakes Results
Message-ID: <4.1.19990509210400.00945660@popd.ipa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

i can get into the members only but can not get the PDF files to come up in my browsers. I just download the file and open it that way.
Just took a look and took Second place in Missouri under my old call KB0PTE. I did not even finish the contest only worked about half of it or less. My Contesting Program I was using locked up on me at 256 QSO and that is where I stopped. Maybe next year. Have fun.

At 06:45 PM 5/9/99 -0400, Brian J Keegan wrote:

>Wayne,

>

>I'm not familiar with the problem you're experiencing. I access the Members
>Only Page from my Favorites folder. Enter my password and I'm in. The
>Sweepstakes results are under "June 1999 QST". The article is called "This
>Ain't Baseball: It's the 1998 CW Sweepstakes PDF file". Wish I could offer
>some advise but I'm not much of a computer head.

>

>Brian KF2HC

>

73,
N=D8EA
Wayne
Willard,MO
FISTS # 4907
QRP-L # 1058
Web Page <http://www.qsl.net/n0ea>

Date: Sun, 9 May 1999 19:55:25 -0700
From: "Dave Fifield" <fifield@pacbell.net>
To: <Graham.Firth@BTinternet.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [40008] Re: Regens
Message-ID: <003301be9a90\$8dc94aa0\$0db865d8@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Graham,

You won't be able to bring any Wensleydale cheese with you,
more's the pity. It is fresh dairy produce and will be confiscated
by our freinds in the US Customs (do they get to eat it?).

If you're taking orders, I'd love a nice sticky Wiltshire lardy cake
and some John Smiths to wash it down with (money no object)!!

ObQRP - I'm building a version of the regen published in QEX
recently - this is fun - and no, it's not going to be a Red Hot radio,
just a small one...

See you at Hamcom.
72, Dave Fifield, AD6A

(snip)
> he (Doug) has asked me to bring him some Wensleydale cheese,
> some Yorkshire tea, and some Eccles cakes - so, if he...
(snip)

Date: Sun, 09 May 1999 22:54:49 -0400
From: mikemo@ibm.net
To: "Paul Harden, NA5N" <na5n@rt66.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [40009] Re: The RATT is howlin'!
Message-ID: <37364A79.40D8F630@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"Paul Harden, NA5N" wrote:

> Mike,
> They are fun little radios. What frequency range did you end up with?
> And, what variable cap and coil scheme did you use?

Right now it goes between 2.5 and 7 MHz. It seems like much above 6 MHz it gets a bit unstable. I wound the coil a bit large on an empty film canister. I plan on experimenting with a few different coils. The cap is one section of a surplus air variable, about 350pF.

> What "catches" did you find?

The "manhattan" construction can be tricky if you don't plan well. Things can get a little tangled. Also it is very sensitive to hand capacitance. I actually used my hand to fine tune SSB stations ;-)

Also, mine does not seem to want to kick into oscillation too easily. I'm only getting 1.5 volts on my "regulator" so I'm going to try to bump that up to 2 volts and see if it helps. Also I think my LM386 layout could be better as the audio amp will oscillate on its own.

When I finished it, it would not oscillate at all. I started at the beginning and separated the stages, one at a time, and checked the output on my scope. I had no way to couple my cheap RF generator to the input so I just twisted a couple of turns of wire around the antenna. Each section worked, and it worked when I finished, so I'll assume that I had a bad solder joint on there somewhere.

I didn't have a 10 microH rf choke, so I wound 5 turns on an FT-37-43 toroid core.

I do get some AM bleedthrough (in spanish) which can be quite annoying, but aside from that it works ok. Every time I build something from scratch I learn a bunch. I'm looking forward to doing the 2n2 rig, that should be an education in and of itself ;-) (Thanks Jim!)

Like Paul has told me before, "its no superhet", but simple and fun one

day project.

72 de ku4qo, Mike Maiorana, Palm Harbor, FL

Date: Sun, 9 May 1999 20:01:38 -0700 (PDT)
From: Clive Marshall <kc2dsh@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [40010] RE: NC20 receiver problem
Message-ID: <19990510030138.21277.rocketmail@send205.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thanks to Dave and Gary for their help

I tweaked TC6 and things seem to be much better now.
There's still a lot of residual noise, but I'm getting
a lot more signals now. I think I must be in a noisy
environment - I'll take the NC20 to the local
supermarket car park and try it there to see if it
makes any difference.

Then I'm going to get my 13wpm and join in the fun.

Thanks once again.

Clive
KC2DSH

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sun, 09 May 1999 08:45:10 -0700
From: Thomas Kuehl <ac7a@uswest.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [40011] RFI on 80 Meters
Message-ID: <3735AD86.943D9DF6@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All:

Wayne's idea about revitalizing the 80 meter band struck a chord with me. A couple of times over the past few weeks I've set up on 3.560 MHz and called CQ, but found no takers. I find there isn't much of in the way of signals on 80 CW these days except for RFI from those darn high-speed modems. They operate between 3.512 to 3.542 MHz, and were installed by cable outfits as link between the cable and the phone line, and by homeowners who didn't have an extra phone line for their PC. These modems have completely obliterated that portion of the band here in Tucson. The rancorous carriers are 10 to 15 dB over S9 on my OMNI-V, and nearly over load my HW-8 when the RF gain is cranked open.

I am interested in hearing from others in the QRP realm who are having the same problem. Even though 3.512 to 3.542 MHz are not our traditional QRP frequencies, the harmonics can be a problem for the QRP call frequencies. In my case, there is a particularly loud and troublesome one that falls right on 7.040 MHz, and I even hear them up on 20 and 15 meters.

Ed Hare, W1RFI, has a great deal of information about these high-speed modems, on the ARRL web page at:

<http://www.arrl.org/tis/info/rfiteljx.html>

Ed and I have conversed and e-mailed regarding this problem and I am carefully working to find who is responsible in this local. It turns out that the company that originally installed the modems here in Tucson sold out to another outfit, so things are bit more complicated.

Meantime, I'll still be pounding out CQ on 3.560 from time to time.

Regards, Thomas - AC7A

Date: Sun, 9 May 1999 23:02:44 -0500
From: "Todd Carpenter" <carpentt@citrine.indstate.edu>
To: "qrp-L" <qrp-l@Lehigh.EDU>
Subject: [40012] 80 m activation
Message-ID: <27E600208E@citrine.indstate.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi ya. In case you all did not realize, we are doing what we can to utilize 80 m. The members of the ISUARC have been building 80m kits. Though we can only produce about 3/4 to 1 watt, you might hear us on or

near 3.686 khz. I hear cw activity in the novice portion all the time.
So, we will be listening. 73, Todd

=====
Todd M. Carpenter, N9YSQ
President ISUARC
Member: WVARA, THRC, GQRP, INQRP, ARCI

Date: Mon, 10 May 1999 00:09:10 -0400
From: Mike Czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@lehigh.edu>
Subject: [40013] QRPp in MD
Message-ID: <37365BE6.72F9@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It's in this part of the country, too. Nice job! Now THIS is the way to do a build-it article :-) Not one of those "scrunch it down and cut out 3/4 of the words to fit into a couple of pages" deals; plenty of in-depth discussion of the circuits, along with LOTS of great drawings by Paul Harden, which remind me of the old Knight Kit manuals of 30+ years ago :-)

This issue not only gives you the schematic of a complete superhet transceiver AND a very complete parts list, it gives a big set of drawings showing how to lay it out and build it. Those may be no big deal for those of us who have been around forever, but good grief, for the newcomer to homebrewing and building, who's probably still quite timid and somewhat uncertain of how to do things, that's positively priceless!

This issue of QRPp is a keeper, just like all the rest.

--
73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Sun, 09 May 1999 23:16:34 -0500
From: Tim Ahrens <tahrens@hilconet.com>
To: qrp-l@lehigh.edu
Subject: [40014] Rechargable alkalines & Wind powered generators
Message-ID: <37365DA2.916D8CB4@hilconet.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone have any good prices & links to the above topics?

Thanks!

Tim W5FN

Date: Sun, 09 May 1999 23:26:29 -0500
From: sda <sda@bellsouth.net>
To: qrp-1@Lehigh.EDU
Subject: [40015] No wonder I haven't worked any CW DX
Message-ID: <199905100417.AAA14356@mail4.lig.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

No wonder I haven't worked any CW DX -- most of those stations are cranking at 25+ wpm, and my head won't copy that fast. I made out OK2BHX (I think) on 20M, and he was blistering so fast, I didn't bother calling. Heh. Will those DX ops slow down to about 15-17wpm or what? =)

72

Todd Atkins, K4MSW
Baton Rouge, Louisiana
<http://www.qsl.net/k4msw>

Date: Sun, 9 May 1999 22:31:26 -0600
From: "Rod Cercone" <rwc@frii.com>
To: <tahrens@hilconet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40016] Re: Rechargable alkalines & Wind powered generators
Message-ID: <004301be9a9d\$fb8b35a0\$628611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello:

----- Original Message -----

From: Tim Ahrens <tahrens@hilconet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Sunday, May 09, 1999 10:16 PM
Subject: Rechargeable alkalines & Wind powered generators

> Does anyone have any good prices & links to the above topics?

Here is a link for Rayovac rechargeable alkalines...

<http://www.rayovac.com/products/recharge/recharge.shtml>

72/3 Rod, NORC
Fort Collins, CO
arrl, qrp-1, qrp arci, fists, norcal, cqg
da di dah

Date: Sun, 9 May 1999 22:44:35 -0600
From: "Rod Cerkoney" <rwc@frii.com>
To: <tahrens@hilconet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40017] Re: Rechargeable alkalines & Wind powered generators
Message-ID: <007a01be9a9f\$cfb78c0\$628611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Tim Ahrens <tahrens@hilconet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Sunday, May 09, 1999 10:16 PM
Subject: Rechargeable alkalines & Wind powered generators

> Does anyone have any good prices & links to the above topics?

Here is an even better Rayovac link:

http://www.rayovac.com/bus OEM/oem/specs/recharge_alk.shtml

72/3 Rod, N0RC
Fort Collins, CO
arrl, qrp-l, qrp arci, fists, norcal, cq
da di dah

Date: Sun, 9 May 1999 22:49:52 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Subject: [40018] Hooked on Phonics (QRP Ver.)
Message-ID: <Pine.SUN.4.10.9905092212340.17345-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Put up an antenna today, building up the shack in the new house and listening to 20M SSB and overheard a QRPer trying to get his QTH across by using the phonetic alphabet (alpha, bravo, charlie, etc.). He got it across, but not after the QRO station had to chew on him a bit about how weak his signal is and hard to copy even phonetically. So that got me to thinking ...

QRPers need our OWN phonetic alphabet for SSB. Something that would really give the copying stations a challenge, ensuring they INDEED copied the pip squeek (pat. pend.) QRP station.

So here is my proposal for the
FIRST OFFICIAL SSB QRP PHONETIC ALPHABET
(Pronunciation in parenthesis)

A - Aardvark (ARD-var ^k)	M - Mneumonic (NEW-mo ⁿⁱ c)
B - Bjork (Vyork)	N - Not Used
C - Czar (Zar)	O - Occult (AAH-cu ^{lt})
D - Djibouti (GEE-bo ^{oti} e)	P - pneumatic (NEW-ma ^{ti} c)
E - Eureka (YOU-ree ^{ka})	Q - Qatar (KAY-tar)
F - Fjord (PHEE-yo rd)	R - Rwanda (ROO-wa ^{nda})
G - Gnat (Nat)	S - Scent (CENT)
H - Heirloom (AIR-lo ^{om})	T - Tsunami (SOO-na ^{mi})

I - Iguana (EE-guana)	U - Uganda (OOH-ganda)
J - Juan (Wan)	V - VHF
K - Knee (Nee)	W - Wrap (Rap)
L - Llama (YAM-ma)	X - Xenon (ZEE-non)
	Y - Yukon (YOU-kon)
	Z - Zucchini (ZOO-keenie)

I can't wait for Field Day now!

72, Paul NA5N

That's Pnuematic-Aardvark-Uganda-Llama

Date: Sun, 09 May 1999 23:47:33 -0500
From: sda <sda@bellsouth.net>
To: qrp-1@Lehigh.EDU
Subject: [40019] Worked CW DX just now on 20M
Message-ID: <199905100447.AAA12271@mail1.lig.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ugh, sorry for the bandwidth, but just after I posted about not being able to work CW DX, I did. Hah. Worked Francois F5ICC in Sarlat, France on 20M 14.030 with 5 watts on my NC20. I was calling "CQ DX" at about 17wpm, and voila, he came back at me at the same speed. He gave me a 519 which kind of hurt, but hey, he copied me. I gave him a 559.

Wow, I looked at my NC20 after the QSO, and shook my head---amazing.

Peace and 72

Todd Atkins, K4MSW
Baton Rouge, Louisiana

<http://www.qsl.net/k4msw>

Date: Mon, 10 May 1999 00:47:35 -0400

From: w4qo <w4qo@amsat.org>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [40020] Dayton - QRP ARCI web site shows DIDS loc/info
Message-ID: <373664E7.509918CC@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I updated the www.qrparci.org web page today to add the Days Inn Dayton South detail info, in case you need to leave a contact number with someone, and also added a map from MAPQUEST.

Getting close....

Don't forget to bring some rigs, keys, antennas, radio equipped bicycles (already booked one), antique QRP rigs, etc etc for Saturday evening's RADIO SHOW held in conjunction with the Build It contest - Homebrew and Kit categories. Prizes galore!

--

Jim Stafford, W4QO	770-993-9500	VP - QRPARCI #6615
11395 West Road	770-993-8932 fax	Mgr - W4WOW SciTrek
Roswell, GA 30075	w4qo@amsat.org	Dir- RadioActive Schools
DBA/Stafford Enterprises/By Jimeny SCF		
http://www.america.net/~w4qo		

Date: Mon, 10 May 1999 01:30:10 -0400
From: Mike Czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@lehigh.edu>
Subject: [40021] QRP Hall of Fame: A teaser
Message-ID: <37366EE2.6E8D@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just a little note to whet your appetites :-) We--meaning ME--got the QRP Hall of Fame process off to a very late start this year, in early April. That doesn't leave a whole lot of time to send out the nomination letters (11 this year), give the voters a week or so to make any comments on the people or process if they wish, then do the balloting, and get the plaques made in time for Dayton.

Happily, though, I do have the plaques in my house now, all three of them. Sorry, we can't tell you who they are--that will be revealed publicly at the QRP banquet at Dayton in a few days. However, I can say that they are all very familiar names to all QRPers, and all are very deserving of the honor.

Sorry, all three have already been notified privately, so don't expect to be surprised at the banquet by hearing your own name called. We don't spring QRP Hall of Fame plaques on unsuspecting people :-)

While we can't tell you yet who's being inducted this year, I can let you know who's already been inducted (listed alphabetically by last name):

Chuck Adams, K5FO
Brice Anderson, W9PNE
Wayne Burdick, N6KR
George Burt, GM30XX
Jim Cates, WA6GER
Tom Davis, K8IF
Doug DeMaw, W1FB (silent key)
Rev. George Dobbs, G3RJV
Wes Hayward, W7ZOI
Doug Hendricks, KI6DS
Roy Lewallen, W7EL
Rick Littlefield, K1BQT
Dick Pascoe, G0BPS
Randy Rand, AA2U
C. F. Rockey, W9SCH
Gus Taylor, G8PG
Adrian Weiss, W0RSP

--

73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com
President, QRP ARCI

Date: Sun, 09 May 1999 22:35:40 -0700
From: Jim <w7ls@blarg.net>
To: n6kr@elecraft.com, qrp-1@lehigh.edu
Subject: [40022] Re: Let's liven up 80 m: "top band" for QRP?
Message-ID: <3736702C.2DEC7E3@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'll keep this short. 80 meters is the best band we have, bar none, for the following useage: Local and regional communications during the daylight hours. There are NO skip holes. It is like an intercomm, with even a watt or less. Disaster communications (the foundation reason for ham radio) is almost all done on a regional or local level.

My 'grab-n-go' rig is a Pixie 2, and the entire station, batteries, key, rig, antenna, and coax all fit in a M-16 ammo pouch (4 inches square by about 8 inches high) and weighs 1.5 pounds. I deploy it, including antenna installation, in 4.5 minutes. It is even submersible, as the rig is enclosed in a NBC decontamination box, which is water tight.

I'm all for the idea of increasing the useage on 80. I'd like to see a contest or demo or something that highlighted this aspect of 80. Any ideas out there?

73 de Jim, W7LS

Date: Sun, 09 May 1999 23:41:41 -0500
From: Earl Murphy <earlmurf@telusplanet.net>
To: qrp-canada@lists.gpfn.sk.ca
Cc: qrp-1@lehigh.edu
Subject: [40023] CANADIAN QRP SPRING BOUQUET--- FLOWER STATION SKED (May 10th--- May 16th)
Message-ID: <37366385.54C2@telusplanet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Gang:

Don't know about this Spring Flower thing? Would you beleive it's snowing as I write this :(and it's the middle of May...
Anyway, sounds like some are still having fun picking flowers!
Ben(VE1AHX), I keep listening for you, but no cigar so far, I'm envious that Bill(VE5HQ) can work you and I can't...but hopefully this week!

May 11...VE1AHX(BEN)...NS...14M(14.060+-)...CW.....23:00Z--23:59Z
May 12...VE1AHX(BEN)...NS...40M(7.040+-) ...CW.....00:00Z--01:00Z
May 14...VE5HQ(BILL)...SK...20M(14.060+-)...CW.....01:00Z--01:59Z
May 14...VE5HQ(BILL)...SK...40M(7.040+-) ...CW.....02:00Z--03:00Z
May 15...VE5QRP(BRUCE).SK...20/15/10(qrp freq)SSB..19:00Z--21:00Z
May 16...VE7CQK(PAUL)..BC...20M(14.060+-)...CW.....19:00Z--21:00Z

OK, there you have the Flower line-up for the week, still could use some of you Provinces/Territories VE4,VE8,VE9,V01,V02,VY1,VY2,VY0, as FLOWER STATIONS....Don't be bashfull! Step right up, and let us work you!!

Anyone needing more info? Try here: <http://www.rac.ca/qrpca.htm>
or send me an email, I'll send you the general lowdown...

72...From WILD ROSE COUNTRY...Earl(VE6EWM) QRP-C#6 QRP-L#1076

Date: Mon, 19 Apr 1999 13:14:31 -0500
From: "Charles Hamel" <cdhamel@pdq.net>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [40024] DOH!!
Message-ID: <016c01be8a90\$7a727e00\$e4e690d1@cdhamel>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang, I had the SWL40+ working great, untill I boxed it up, now when I key down, instead of a tone it sounds like a swishing noise.. Ahhhhhhhh!! Well I guess I will take a look at it tomorrow!!

Any suggestions appreciated!!

Charles (KC5DXQ)

Date: Mon, 10 May 1999 02:11:59 -0400
From: "Al Gritzmacher" <ae2t@bigfoot.com>
To: "Wayne Alexander" <walexan@ipa.net>
Cc: "QRP-L" <qrp-l@lehigh.edu>
Subject: [40025] Re: CW Sweepstakes Results
Message-ID: <002a01be9aae\$1a7ded80\$d7c3fbcf@laptop>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wayne,

I have seen this happen when using a version of Acrobat Reader that is older than the version of Acrobat that was used to create the file. You may need to update to a newer version.

The current available version is 4.0 but I believe 3.0 will still work on the ARRL site. Ver. 4.0 is very recent - I only updated mine a few days ago.

72,

Al AE2T

=====

You wrote:

I have not been able to bring this up on the Members Only page. It brings up the Reader page and then says it is done but nothing is there. I have looked at things before on there but can not bring this part up. Does anyone know why? Thanks

Date: Mon, 10 May 1999 00:28:27 -0500
From: pierce@rice.edu (George F. Pierce)
To: qrp-l@lehigh.edu
Subject: [40026] Regen
Message-ID: <v01510106b35c03e706bc@[128.42.176.220]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

My Dear Friends Graham and Doug. What makes you so sure either of you will win! As an entrant, I believe the competition is most likely Tony>

George F. Pierce III
WA5ABS M0B0D
Email: pierce@rice.edu

Date: Sun, 9 May 1999 23:39:46 -0700 (PDT)
From: Jeff Furman <jfurman@ocs.net>
To: qrp-l@lehigh.edu

Subject: [40027] some links for chip ID & datasheets
Message-ID: <Pine.LNX.4.04.9905092158470.26201-100000@ocs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have some links bookmarked for looking up chip data sheets.

"Numerically and functionally ordered chip lists, chip pinouts and lists of chip manufacturers, controller embedding tools manufacturers, electronics books, CDROM's, magazines, WWW sites etc." is at:

<http://www.mitronet.com/chipdir/>

cross reference for replacement equivalents from Philips (ECG types):

<http://www.ecgproducts.com/>

The NTE replacement cross reference is at:

<http://www.nteinc.com/>

I don't have a good reference for basic manufacturer ID based on their typical part #. does anyone know of one? After a while you gradually recognize some manufacturers by certain details of their packages, for example Motorola TO-92 shape vs. Texas Instruments TO-92, etc. Part numbers are similar: Motorola often uses an M starting letter (MPS, MRF, MPF...) T.I. has used SN prefix, National linears are L (LM LMC..), some NS.. Harris HA, RCA CA, etc. Quickly scanning the IC and semiconductor lists in a readily available distributor's catalog, say, Digi-Key as an example will give you a feel for the territory staked out by various manufacturers. Parts originally made by one manufacturer may have identical part numbers or may have a slight twist when second sourced by other manufacturers: something with a 741 in it and eight pins ua741 lm741 mc741 ad nauseum, is probably going to be a basic opamp. For transistors and diodes, the American 1N and 2N...

industry

standard JEDEC registered parts have no information contained in the part #, aside from recognizable series 1N4001, 1N4002, 1N4003,...1N4007, or 1N4148, 1N4149, 1N4150,...1N4152. In contrast the European Pro-Electron series BFR91 as one example, uses the prefix letters to describe basic properties or application areas. Similarly, the Japanese JIS (or EIAJ?) part

numbers 2SA.. 2SB... 2SC... etc. often truncated in marking (2SC1234 marked as C1234) gives some

clue as to the properties. The worst ID problem I know is the markings on SOT-23 surface mount transistors. Insufficient space for a manuf. logo, they often have only 2 or 3 letters and numbers. Not all manufacturers maintain lists of their own marking codes, so the search requires some luck. Here, I have one next to this keyboard-- 2TG. The G isn't quite straight, so is it a 2T with a bin G Hfe selection? With only an ohmmeter, it looks like a PNP or two diodes-- any takers? I always need to look up these details, but

it's nice to have a way to guess what's in that junk pcb picked out of a box at the flea mkt. By the way, If you encounter semiconductor databooks at the flea mkt., think about buying good (not necessarily the latest) ones. For example, National Semiconductor has very good application hints in most data sheets, and also collections of application notes useful for ideas, whereas Texas Instruments data books have virtually no applications information in the data sheet, just tables and graphs of parameters. Philips, Siemens, and SGS-Thompson are a few of the European manufacturers selling in America. Here in Silicon Valley, databooks are always seen at fleamarkets, but keep in mind, they are usually given away free to typical engineers in the area, so, they better be rather inexpensive. I would guess that manufacturers will send free databooks to almost any industrial academic, or other business address. If they ask, remember you are actually using these parts, not collecting doorstops. Another area is the proprietary or customer specified marking. The ECG and NTE cross references may help. Hewlett-Packard part numbers are readily identifiable, example 1820-xxxx IC's, 1854-xxxx NPN, 1853-xxxx PNP. They even publish lists of commercial equivalents.

...

73, Jeff KD6MNP

Date: Sun, 9 May 1999 23:54:29 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: Dave Fifield <fifield@pacbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [40028] Re: Regens
Message-ID: <Pine.BSF.4.10.9905092350510.29056-100000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 9 May 1999, Dave Fifield wrote:

> Graham,

>
> You won't be able to bring any Wensleydale cheese with you,
> more's the pity. It is fresh dairy produce and will be confiscated
> by our freinds in the US Customs (do they get to eat it?).

Not that I'm advocating this, I'm certainly not. But, if customs
doesn't see it or smell it... You might want to bring some of that
wonderful clotted cream too... ;-}

73,
Bob

Date: Sun, 9 May 1999 12:23:58 +0200
From: "Peter Zenker" <Peter_DL2FI@csi.com>
To: "'Wayne Burdick'" <n6kr@elecraft.com>, <elecraft@qth.net>, <qrp-1@lehigh.edu>
Subject: [40029] AW: [Elecraft] Let's liven up 80 m: "top band" for QRP?
Message-ID: <001e01be9a06\$13f8b420\$37659fc1@zenkerpn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello all,
have you seen the report of the North Carolina / Germany Event some weeks
ago ??? We did it using SMITE as a rig with power down to 250 mWatt!! At 5
Watt level it was a no problem contact (If you try it the right time. For DX
BOTH ends MUST have darkness in the opposite direction. What I mean is: If I
try to connect a 5000 miles and more distance station WEST of me, the area
EAST of me must be dark AND the area WEST of my partner also must be dark.
Thats only a small slot, but so it works. For a California _ Europa contact
that should be sometime around 4 to 5 oclock UTC I think.

Personaly I did lots of QRP QSOs during night time at QRP level on eighty
using different type of balanced feeder antennas. I never had success with
coax driven antennas on 80m, but starting with the 2*10m up to a double Zepp
2*41 meter it workes great with symmetric feeders and IMHO thats one of the
secrets of good 80m Antenna. Use a symmetric feed. And it is easy to do this
on QRP levels because it is so easy to have a symmetric tuner WITHOUT balun
(Balun IS a compromize) I used a homemade Z-Match and just a few days agou I
got a ZM2 by EMTECH and found it the best choice!

European QRP Activities are around 3560 MHZ
Peter, DL2FI

>

> So, let's take the 80 m challenge and pepper the band with QRP QSOs on
> evenings when we might have been tempted to limit ourselves
> to 40 m. Making
> contact on 40 then moving down to 80 is another possibility.
>

Date: Mon, 10 May 1999 06:28:19 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Charles Hamel <cdhamel@pdq.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [40030] Re: Dipole
Message-ID: <Pine.GSO.4.10.9905100623020.29157-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Charles,

The standard dipole formulas are at best only rough indicators of proper length. They are not precision formulas at all.

Actually, the impedance for any given dipole length tends to vary with the actual height above ground in terms of fractions of a wavelength. It does not smooth out until well above 1.5 λ height.

So the best construction procedure is to make the initial dipole somewhat long and be sure that the ends can be accessed for trimming. Then bring the dipole to the desired length in terms of having a good match with the coax line being used.

When one uses parallel feedline and an antenna tuner, the length is not critical, since a match at the antenna/feedline junction is not the desired result. Rather, one only needs the impedance presented to the tuner terminals to fall within the component limits of the tuner. In this kind of installation, the antenna can be used on all bands above the basic one.

Hope this helps.

-73-

LB, W4RNL

L. B. Cebik, W4RNL / \ / * / / / (Off) (423) 974-7215

1434 High Mesa Drive / \ / \ \ ----/\---- (Hm) (423) 938-6335
Knoxville, Tennessee /\ \ \ \ / / || / (FAX) (423) 974-3509
37938-4443 USA / \ \ \ || cebik@utk.edu
 URL: http://web.utk.edu/~cebik/radio.html

Date: Mon, 10 May 1999 12:15:15 +0100
From: Stewart Bryant <stewart.bryant@virgin.net>
To: qrp-l@Lehigh.EDU
Subject: [40031] HTML version digest - please???
Message-ID: <3736BFC3.7B87D91E@virgin.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I guess that this is more a majordomo issue rather than an issue that we can do anything about, but it would be really nice if there were an HTML version of the daily digest.

If you do not take the digest then you get about 70 messages a day to read and delete - a bit of a problem finding the wood from the trees, doubly so if you miss a business mail as a result.

Now the digest comes with a nice index at the top - but you then have to find the content. If this was in HTML format, the message of interest would only be a mouse click away from the index at the top.

Am I missing something? Is there a better way to read the digest? Is there now an HTML version that I have missed?

Stewart G3YSX

Date: Sun, 9 May 1999 19:39:53 -0400
From: "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [40032] Re: Let's liven up 80 m: "top band" for QRP?
Message-ID: <007a01be9a75\$3ec806a0\$3c4b9ace@hhurst>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Maybe we need some 80 meter only activities, and perhaps a "high" power PA for Pixies. 250 mw is a bit extreme on a band where efficient antennas are very difficult for many hams. How about a 5 watt amp-in-an-Altoids tin? It would be interesting to build an amp ugly style in a tin, soldering the circuit directly to the bottom of the tin, with no pc board.
hmmm.....

Date: Mon, 10 May 1999 09:04:12 -0300
From: Ben Pooley <bpooley@bar.auracom.com>
To: qrp-canada@lists.gpfn.sk.ca
Cc: qrp-l@lehigh.edu
Subject: [40033] SB Mayflower
Message-ID: <3.0.6.32.19990510090412.007c16b0@bar.auracom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings;

Will try to give away a few more Mayflowers in the
"Spring Bouquet":-

Would like to try 20M for a while and then see what 40M
is like.

Let's say Tuesday 2300 - 2359Z 14060 +-
Wednesday 0000 - 0100Z 7040+-

That's all on Tuesday evening in Nova Scotia.

Both times elastic and could stretch on either freq. if
things are going well.

73, Ben VE1AHX

Date: Mon, 10 May 1999 08:10:56 EDT
From: RayAnNuzzo@aol.com

To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [40034] Suspend
Message-ID: <afc3850.246826d0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am going on a business trip for several months and I would like to suspend the reception of e-mail from the group. How can I accomplish this?

--Ray, KA1EZX

Date: Mon, 10 May 1999 08:20:53 -0400
From: Peter_Simpson@ne.3com.com
To: qrp-1@lehigh.edu
Subject: [40035] How to stick transparency to front panel?
Message-ID: <8525676D.00436600.00@usboxmta.ne.3com.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

If I make a front panel label for a rig with the "overhead transparency/laser printer" method, what do I use to stick the transparency material to the front panel? Tape will show, using the control nuts only holds the transparency in a couple of places. What I'm looking for is a transparent sticky material that will hold the entire surface of the transparency to the front panel.

Anyone know of a clear, non-yellowing spray adhesive?

Peter, KA1AXY

Date: Fri, 07 May 1999 09:12:29 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [40036] Re: Spring Bouquet--Ben's on 14060.6 (fwd)
Message-ID: <3732E6BD.8E46C702@hti.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yep. Ben was coming into MI real good last night. It was the first time I had to play with my radios since Sundays dishwasher flood. Since the op table has been repositioned, I was playing with my feedline routing and some foil on the window line to get the LED on the ZM-2 to go completely out. I head Ben calling CQSB so I jumped in and worked him. After the QSO was over I saw that I had my ZM-2 in the TUNE mode. So I do not know how much RF was getting from my NC20 to the 105 ft dipole. BTW, I put together one of the K10 keyers from K1EL last weekend. Works FB with my SW40+, SW30+, and TT Triton. I have found the transmit practice mode a lot of fun and it really works. It makes you work on both the characters and spacing.

Bruce Rattray wrote:

>
> ...picture this...
> Congratulations Mike on working Ben....heard you; didn't hear Ben...kept
> listening and >>>>>>>> nothing.....heard AB8DF work Ben....still no Ben
Snip...

Date: Mon, 10 May 1999 08:36:17 -0400
From: "dor" <elbc@pivot.net>
To: <sda@bellsouth.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40037] Re: No wonder I haven't worked any CW DX
Message-ID: <003801be9ae1\$b412c280\$913d62ce@mine1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: sda <sda@bellsouth.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, May 10, 1999 12:26 AM
Subject: No wonder I haven't worked any CW DX

> No wonder I haven't worked any CW DX -- most of
> those stations are cranking at 25+ wpm, and my

> head won't copy that fast. I made out OK2BHX
> (I think)on 20M , and he was blistering so fast,
> I didn't bother calling. Heh. Will those DX ops
> slow down to about 15-17wpm or what? =)

>

> 72

>

> Todd Atkins, K4MSW

> Baton Rouge, Louisiana

> <http://www.qsl.net/k4msw>

>

>

It's not likely you'll get many of them to slow down so you just gotta
practice and get to where you can copy them.

if you want to work them on CW , you gotta play their tune

good luck

73 DAVE KC1DI

Date: Mon, 10 May 1999 08:46:45 -0400
From: RON TODD <k4wz@bellsouth.net>
To: QRP POST <qrp-l@Lehigh.EDU>
Subject: [40038] QRP DX
Message-ID: <3736D535.B8FBFB19@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I worked VK3DQS from Atlanta,GA with 1.1 watt. I got a 449 RST. Neat
stuff. Ron

Date: 10 May 99 09:05:37 EDT
From: Edwin Lappi <ae4ec@usa.net>
To: qrp-l@Lehigh.EDU
Subject: [40039] Pixie not keying
Message-ID: <19990510130537.21895.qmail@aw161.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

I have built the WA6BOY version of the Pixie2 transceiver,
but I cannot get it to key when wired as per schematic. Is
there an error in the schematic or circuit board as published.
I can hear the oscillator on another receiver just fine.
Any help will be appreciated.
73/72
Ed, AE4EC

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

Date: Mon, 10 May 1999 09:11:00 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@lehigh.edu
Subject: [40040] Re: Marconi Xtals in oven?
Message-ID: <3736DAE4.D3ADE7AC@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Measure and plot the freq vs temp of a crystal. An oven is typically set to
a local
max or min point. Even precision crystals may not be ground accurately to a
marked
temperature. 73--Zack W1VT

Date: Mon, 10 May 1999 08:16:47 -0500
From: "Bryan Turner" <turnerw@email.uah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
Peter_Simpson@ne.3com.com
Subject: [40041] Re: How to stick transparency to front panel?
Message-ID: <199905101314.IAA09412@email.uah.edu>

You might want to experiment with 3M Spray Mount. I've never tried
it for this application, but it might work.

73 Bryan W8LN

> What I'm looking for is a transparent
> sticky material that will hold the entire surface of the

> transparency to the front panel.
>
> Anyone know of a clear, non-yellowing spray adhesive?
>
> Peter, KA1AXY

Date: Sun, 9 May 1999 16:45:49 +0200
From: "Peter Zenker" <Peter_DL2FI@csi.com>
To: <hhurst@delaware.infi.net>, "'Low Power Amateur Radio Discussion'" <qrp-
l@lehigh.edu>
Subject: [40042] AW: Let's liven up 80 m: "top band" for QRP?
Message-ID: <002101be9a3b\$7dbf7580\$37659fc1@zenkerpn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

The Pixie AND the DL-QRP-PA both fit into one Altoid box and the drive of
the Pixie is enough to drive the PA :-))

Peter, DL2FI

> -----Urspr ngliche Nachricht-----
> Von: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]Im Auftrag
> von Harry T. Hurst, WA3PTG
> Gesendet am: Montag, 10. Mai 1999 01:40
> An: Low Power Amateur Radio Discussion
> Betreff: Re: Let's liven up 80 m: "top band" for QRP?
>
> Maybe we need some 80 meter only activities, and perhaps a
> "high" power PA
> for Pixies. 250 mw is a bit extreme on a band where efficient
> antennas are
> very difficult for many hams. How about a 5 watt
> amp-in-an-Altoids tin? It
> would be interesting to build an amp ugly style in a tin,
> soldering the
> circuit directly to the bottom of the tin, with no pc board.
> hmmm.....
>
>
>

Date: Sun, 9 May 1999 19:00:05 +0200
From: "Peter Zenker" <Peter_DL2FI@csi.com>
To: <elbc@pivot.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [40043] AW: No wonder I haven't worked any CW DX
Message-ID: <002401be9a3e\$5ae29080\$37659fc1@zenkerpn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

IMHO All those who love CW WILL slow down their speed!
Do you believe that for my QRP fellows and me here in Europa YOU are the DX,
and most of our newcomers HOPE that You as a DX
stn slow down your speed if he gives you a call ??

If we CW enthusiasts hope that CW will have a chance in the future - with or
without federal examination - we have to give any newcomer a chance even at
10 WPM or slower.

My very, very personal opinion:
as a CW operator I would like to say to all newcomers: If you call a stn at
slow speed and this op does not slow down automaticaly, ask him for QRS. If
he still not slows down, dont worry, call another one, this op is NOT worth
a QS0!

Peter, DL2FI

> > No wonder I haven't worked any CW DX -- most of
> > those stations are cranking at 25+ wpm, and my
> > head won't copy that fast.
> It's not likely you'll get many of them to slow down so you just gotta
> practice and get to where you can copy them.
> if you want to work them on CW , you gotta play their tune
> good luck
> 73 DAVE KC1DI
>
>

>

Date: Mon, 10 May 1999 07:12:59 -0700 (PDT)
From: Bradley Mitchell <wb8ygg@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [40044] New TiCK-4 Available
Message-ID: <19990510141259.27833.rocketmail@web607.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi Folks, Embedded Research is pleased to announce our new keyer chip,
the TiCK-4.

Completely Compatible with all implementations of the TiCK chips!
EG:FB-40, NC-20, 38 Special, Whitrook, G4ZPY etc.

This chips has all the features of the TiCK-3

PLUS NONVOLATILE PARAMETER STORAGE.

No more switching of the modes, speed etc on power up.
It's all stored for you.

If you want to switch your paddles, and keep them switched, you can, as
well as speed, Mode A/B etc.

See us at Dayton, we can hardly wait!
73 Brad & Gary
Embedded Research
<http://www.frontiernet.net/~embres>

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 10 May 1999 07:20:03 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [40045] Re: Let's liven up 80 m: "top band" for QRP?

Message-ID: <Pine.SOL.3.96.990510071703.6623D-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hey folks,

I sounds to me like I hear a Coyote Hunt just waiting for
someone to organize it.....

And NO, I just don't have the time but one of you do! :-)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 10 May 1999 10:20:46 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Subject: [40046] question on qsling
Message-ID: <3.0.5.32.19990510102046.0080ada0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

ok, well I know I shouldn't say this, but I know its not exactly qrp
related, but what better all knowing group to ask.
I will tie it to qrp by getting an antenna outside after talking about it
for so long that will allow greater ability for qrp.
ok, here's the question. I have made some dx contacts and no ok they
weren't qrp, but cut me some slack here.
I was thinking of joining ARRL again to use the qsl bureau. So, any other
ideas and where can I get info as to where to send cards, how should I send
them ie.e. like I do to you fellas or what, and what does it take to get a
card.

tnx and I'm sure I'll get tuns of Info.

72/73 de Scott/n3byy
Laurel MD

Date: Mon, 10 May 1999 10:38:24 -0400
From: elawson@lr.net (Ed Lawson)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40047] Re: AW: No wonder I haven't worked any CW DX
Message-ID: <19990510143015.AAA29129@office4.office.new>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Sun, 9 May 1999 19:00:05 +0200, Peter Zenker wrote:

>If
>he still not slows down, dont worry, call another one, this op is NOT worth
>a QSO!

Agreed. I am a CW fan, but I am not a CW expert and my speed is not great.
Except for contests, I find plenty of DX ops who run around 10 to 15 WPM and
often the faster ones will automatically adjust down when you reply slower than
their
CQ call. I try to reciprocate by operating in the Novice bands twice a week
or so.

Ed Lawson
K1VP

Date: Mon, 10 May 1999 08:01:09 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [40048] Winter Issue of QRPP, Who gets it
Message-ID: <01be9af5\$f074bd00\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys, the cutoff date for the winter issue of QRPP was Dec. 15, 1998. Only
those renewals and new subs received by that time made the list for QRPP.
We had delays in production etc. but the bottom line is that was the cut off
point. If you did not make that deadline, the news is not all bad. Paul
Harden and Quicksilver Printing will be selling individual copies to be
announced soon, probably in June sometime. Please have patience. 72, Doug,

KI6DS

Date: Mon, 10 May 1999 09:59:04 -0500
From: "Chris Cieslak" <ccieslak@law.uiuc.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40049] Re: How to stick transparency to front panel?
Message-ID: <005501be9af5\$a58870c0\$0f1215ac@classifiedventures.com>

3M "Artist Mount" is ideal if your hands are a bit shaky, since you can easily lift the paper and move it in case you didn't get it quite right the first time. 3M "Super 77" is more permanent, but is a bit harder to work with. Both are aerosol sprays available at most art supply stores.

73 chris "stuck way too much stuff to matte boards... think i inhaled a good amount of that spray stuff" aa9hd

> You might want to experiment with 3M Spray Mount. I've never tried
> it for this application, but it might work.
>
> 73 Bryan W8LN
>
> > What I'm looking for is a transparent
> > sticky material that will hold the entire surface of the
> > transparency to the front panel.
> >
> > Anyone know of a clear, non-yellowing spray adhesive?
> >
> > Peter, KA1AXY
>
>
>

Date: Mon, 10 May 1999 10:10:01 -0500 (CDT)
From: rspenc@creighton.edu
To: qrp-1@lehigh.edu
Subject: [40050] Yaesu FS
Message-ID: <Pine.HPX.4.05.9905101006100.4150-100000@bluejay.creighton.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Noticed some looking for good HF rigs on list. I have Yaesu FT757GX ,mint condx with boxes and manuals. Only will sell as complete setup however (radio, \$500, matching full duty power supply \$150, remote antenna tuner\$200). Barely used, stored much of the time, currently set up at the house. All bands 160-10m including WARC, andwill throw in the remote antenna switch and base mic to boot.

Rich, WK2A/0

Dr. Richard S. Penc	Amateur Radio: call WK2A
Assistant Professor	Interests: QRP, constructing,
Department of Atmospheric Sciences	6m
Creighton University	
2500 California Plaza	FCC Licenses:
Omaha, NE 68178	General Radiotelephone
	Second Class Radiotelegraph
	Radar Endorsement
phone: (402) 280-2420	Accredited VE: ARRL, W5YI
fax: (402) 280-1731	
email: rspenc@creighton.edu	Certifiably crazy computer geek
richpenc@juno.com	

Date: Mon, 10 May 1999 09:18:12 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: sda <sda@bellsouth.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [40051] Re: No wonder I haven't worked any CW DX
Message-ID: <Pine.LNX.3.95.990510091533.10994C-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Tom...speed's ok and I hope some day to improve my copying ability to 25 wpm but IMHO I thought the main idea was to communicate, not run a race. :-)

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan, Canada
Amateur Radio Stamp Collector "QRP! How sweet it is!"

On Sun, 9 May 1999, sda wrote:

> No wonder I haven't worked any CW DX -- most of
> those stations are cranking at 25+ wpm, and my
> head won't copy that fast. I made out OK2BHX
> (I think) on 20M, and he was blistering so fast,
> I didn't bother calling. Heh. Will those DX ops
> slow down to about 15-17wpm or what? =)
>
> 72
>
> Todd Atkins, K4MSW
> Baton Rouge, Louisiana
> <http://www.qsl.net/k4msw>
>
>
>

Date: Mon, 10 May 1999 09:25:23 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@lehigh.edu>
Subject: [40052] QRPp arrives in Denver
Message-ID: <01BE9AC7.0A27C320.bmug@gwl.com>

Actually it arrived in Aurora, Colorado but no one knows where that is.

Fantastic magazine - I can't wait to start building but I have a few questions.

1 - is anyone putting together a group buy? I'm way behind on the digest mode.

2 - at one time I had an excel file with all the parts and part numbers from Mouser, Radio Shack, TechAmerican and maybe some others. I can't find it now but I believe I sent it to someone out there - if you are the person can I have a copy back?

3 - From what has been said on this reflector my NorCal number should be on the address label - only number there is the expiration date (and my address and zip code). Not a big thing as I don't have a signature attached to my emails but I might need it to renew.

Thanks

de KI00T, Brad

Date: Mon, 10 May 1999 08:26:17 -0700 (PDT)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: qrp-l@lehigh.edu, Joe Spencer <jspencer@starttext.net>, Joe Spencer
<joe@quadj.com>, Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [40053] SLV AND BLACK WIDOWS
Message-ID: <19990510152617.25786.rocketmail@web217.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hey guys and gals - -

At the risk of getting myself in deep here, if anyone coming to HAMCOM wants a Black Widow fishing (or fishun', as we call it here in Texas) pole to make an SLV with, let me know and I'll pick you up one and have it at the HAMCOM QRP tables. I come right past the Bass Pro Shop who carry them. I just need a firm comittment that someone wants one and will pick it up and pay me (preferably by cash green backs) upon delivery on Saturday. I'll check the price and let you know for sure, but seem to recall that they're \$20.99 + 7.25% sales tax, whatever that comes to. E-mail me directly if interested.

Doug, you can pass that word out to your QRP attendies list, and Joe you can pass it on to the NORTEX bunch.

72's es 73's,

Brad, W5CGH

===

Brad Bradfield, PE	W5CGH	Systems Engineer
(ex WB0CGH)		Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377	SMIRK #4906
ARS #72	Austin QRP Club #e

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 10 May 1999 17:29:07 +0200

From: "Hans =?ISO-8859-1?Q?Sundstr=F6m"?= <hans.sundstrom@telia.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40054] SV: Winter Issue of QRPP, Who gets it
Message-ID: <199905101529.RAA26276@d1o22.telia.com>

THIS was bad news...

I have already started stocking up components for the 2N222 trx, eagerly waiting to get the QRPP in the mailbox, looking every morning reading here about how great the issue is...

Became a member early february. But will obviously not get a copy.

So now I am BEGGING:

Could anyone more fortunate please help me to photocopy the QRPP and mail to Sweden. Since I am way over here I have no chance of doing it myself after borrowing the copy from a neighbor.

Of course I will pay for the costs.

73

Hans / SM4ATJ

-----Ursprungligt meddelande-----

Fr n: Hendricks, Doug <ki6ds@dpol.k12.ca.us>

Till: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Datum: den 10 maj 1999 16:55

mne: Winter Issue of QRPP, Who gets it

>Guys, the cutoff date for the winter issue of QRPP was Dec. 15, 1998. Only
>those renewals and new subs received by that time made the list for QRPP.
>We had delays in production etc. but the bottom line is that was the cut
off

>point. If you did not make that deadline, the news is not all bad. Paul
>Harden and Quicksilver Printing will be selling individual copies to be
>announced soon, probably in June sometime. Please have patience. 72,
Doug,

>KI6DS

>

>

Date: Mon, 10 May 1999 08:37:50 -0700

From: Allan G Taylor <k7gt@arrl.net>

To: qrp-1@lehigh.edu

Subject: [40055] 80m / TCI wireless modems / life in the 90s

Message-ID: <3736FD4E.15F7@arrl.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Good morning all!

I couldn't help responding to the posts re 80m. About Christmas time last year, I became aware of the source of several trash digital signals on 40m. They were the 2nd harmonic of so-called wireless modem jacks installed by TCI locally for interfacing their digital cable TV to the billing centers via telephone lines. The devices themselves are manufactured by Phonex in Midvale UT. We have been working closely with TCI since then and they have most (but not all) of their modems replaced. As it turns out, using them at all was just an interim solution to their digital TV billing issue which is now being done via the cable itself. A few related issues remain, however. The replacements for those devices are down around 3.1 MHz. I have heard a 3rd harmonic on 30m (there goes another band...). Also, there are modems out there in the 3.5 - 3.55 MHz range that were NOT from TCI. In particular, I traced down one that was purchased at COSTCO and putting out a S9+10 signal on its second harmonic. The source was about 100 yards from my antenna. When TCI finishes their efforts locally, we (some local amateurs who care about cw) will be making various sweeps with mobile rigs to find any remaining units. The TCI efforts have taken the racket on 80m cw (low end) down from many, many at S9+30 to an average S7-8 with just a few peaks at S9+5.

To the op in Tucson: contact your local TCI office and ask (insist!) on talking to the Installation Supervisor. They have the mandate to clean their work up. Insist upon it! Get in touch with other hams throughout your town and have each of THEM call TCI. Locally, TCI has been making sweeps in a 1-mile radius around each ham WHO CALLED THEM.

I had an occasion to operate last February in the ARRL DX test down in Orange County. They are NOT TCI territory. The 80m band was spotless and I worked many mults on 80 cw (no, not QRP).

Which brings up a final comment. With the increasing urbanization of our fair land, coupled with CC&Rs, neighbors, planning commissions, etc. it is not surprising that bands requiring 135' wires for antennas are languishing. I personally have never had an 80m antenna up although back in the tube rig days I used to check into the OEN (an AM net up home in Oregon) using a 40m dipole! I intend to put up something on 80m over the summer and do some 80m work.

Let's all put something up in the air that will radiate on 80m and push the Phonex wireless devices out of the band. 40m will always be my favorite but 80m can be a great place for a ragchew.

73 gang,

Allan K7GT

--

```

                                     |
                                   /|
                                 /  |
                                /   |
Allan Taylor, PE  K7GT           | /Z | \   FISTS 3222 QRP-L 1016
    k7gt@arrl.net              /| /599| \   ARS 228 NorCal 2018
    operating nr SF/Oakland CA  /_ | /____|__ \_ DXCC and WAS 40/cw
... "QRP, QRO, or barefoot..."... [\--=====~/  http://www.qsl.net/k7gt
~~~~~
```

Date: Mon, 10 May 1999 08:53:36 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [40056] Spring Issue of QRPP to the Printer
Message-ID: <01be9afd\$437fb980\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

The spring 99 issue of QRPP are going to the printers today, and should arrive on Weds. It will take approximately 3-4 weeks to get it printed and mailed. Here is the table of contents, it should be a good issue. There are lots of schematics and building articles in this one, plus several articles on the NC20. I am starting to layout the summer issue tomorrow. (I'm taking one day off, grin.)

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 by Joseph Street, VE3UXE
Build a Jersey Fireball 40 QRP Transmitter & Amplifier 8
 by George Heron, N2APB
The St. Louis Doublet 16
 By Dave Gauding, NF0R
Basic 40 Meter Popcorn Superhet Receiver 20
 by Todd Gale, VE7BP0
Uglier Sister 40 Meter Popcorn Superhet Receiver

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by Paul Harden, NA5N	

Date: Mon, 10 May 1999 08:48:23 -0700 (PDT)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [40057] ANALOG VOLTMETERS
Message-ID: <19990510154824.8207.rocketmail@web208.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hey y'all - -

I mentioned here three or four weeks ago that I had bought an HP-427A analog voltmeter at a hamfest. If you're in the market for test equipment, I can highly recommend this particular model. The 427A is a FET input meter with a 10 MegOhm input impedance. I gave ten dollars for mine, in as-is condition, but that's probably below average. If you have a choice, pick up one with option 001 installed. This option is easily identified by the AC connector on the rear panel. The base model(without option 001) is battery operated only. The battery used is an EverReady 22.5 volt dry cell, which is still available, but a bit

pricy at \$22.50 each. In my use, however, this meter will be mainly a bench meter, so the battery is not an issue. I'm going to measure the DC current drawn by the meter, and think I can probably use three 9 Volt batteries in series when I might want battery operation. The 9 Volt batteries would not have the life of the 22.5 Volt battery, but should be ok for occasional use.

DMM's are great, and I have a couple of them, but there's times when a good high impedance analog meter will beat them hands down. Take the example of when you're trying to peak or dip a circuit. (Remember dipping the plate??) Try doing that easily with a digital meter. An analog meter is simply easier to use for this.

VOM's, like the Simpson 260 or Triplet 630 series, are very usable in many instances too, but you have to be very careful to understand the error that can be induced by their low input impedance.

The FET input meters, like the HP-427A, are basically a solid state version of the old VTVM's.

Oh, well.

72's es 73's,

Brad, W5CGH

===

Brad Bradfield, PE	W5CGH	Systems Engineer
(ex WB0CGH)		Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377	SMIRK #4906
ARS #72	Austin QRP Club #e

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 10 May 1999 11:20:49 -0700
From: w4bws@juno.com
To: cdhamel@pdq.net
Cc: qrp-l@Lehigh.EDU
Subject: [40058] Re: Tuner
Message-ID: <19990510.114534.-325977.1.w4bws@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Only on receive!!!

On Mon, 19 Apr 1999 08:18:31 -0500 "Charles Hamel" <cdhamel@pdq.net>
writes:

>>
>Other words does the MFJ-971 work without power?
>
>Thanks,Charles
>
>
>

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: 10 May 1999 12:05:17 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: qrp-l;;
Subject: [40059] Re: QRPp TYPO ? [diode matching]
Message-ID: <1999May10.120517-0400@[130.113.234.7]>

In <37338780.1C809C0F@pop.omah.uswest.net>, mjfitz@uswest.net wrote:

> Guys-
> Is it a typo in the new QRPp issue or do you really match diodes to
>1 (one) ohm? I would guess it is a typo (pg 22, line 20) since I find
>that the 1N914s here show about 1.2-1.5 Megohms on the Fluke 77 in
>autorange resistance mode...

Many digital ohmmeters won't show a diode's forward resistance
(it shows as "infinite" resistance) because the forward voltage of about
0.6v is offscale. On some digital meters, only a FEW of the resistance
scales will measure a diode's forward resistance. Much of the Fluke
series (including the Fluke 77) have a specific scale designed to test
diodes.

If you don't have a meter that reads diodes properly:

You're better off rigging up a series resistor (somewhere between
4700 ohms - 10K ohms) to your 12v DC supply, in series with the diode.
Then use the meter's voltage scale to measure the diode's forward voltage
drop.

IMPORTANT! NOMATTER how you match diodes, make sure they're all at the same temperature! Handling a diode will conduct heat into the silicon chip, and raise its temperature slightly. This will affect their measured resistance, and foul up your matching efforts.

Date: Mon, 10 May 1999 11:11:58 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <rattray@gpfn.sk.ca>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [40060] RE: No wonder I haven't worked any CW DX
Message-ID: <000101be9aff\$d495d600\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Speed is NOT the key to working DX. There have been MANY times when I hear a "rare DX" sending 25+ words a minute. I just send DE WB5RUE K and I'd say 9 out of 10 times the DX will slow down to my speed. If you can only copy 15 WPM then send at 15 WPM and see what happens. A DX station is much more likely to respond to clean, slow code than to fast sloppy code.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Bruce Rattray
> Sent: Monday, May 10, 1999 10:18 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: No wonder I haven't worked any CW DX
>
>
> Hello Tom...speed's ok and I hope some day to improve my
> copying ability
> to 25 wpm but IMHO I thought the main idea was to
> communicate, not run a
> race. :-)
>
> ...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683
> Zombie#272
> A-1 Operator Club - 10/10# 944 - Regina,
> Saskatchewan, Canada
> Amateur Radio Stamp Collector "QRP! How
> sweet it is!"

>
> On Sun, 9 May 1999, sda wrote:
>
> > No wonder I haven't worked any CW DX -- most of
> > those stations are cranking at 25+ wpm, and my
> > head won't copy that fast. I made out OK2BHX
> > (I think) on 20M, and he was blistering so fast,
> > I didn't bother calling. Heh. Will those DX ops
> > slow down to about 15-17wpm or what? =)
> >
> > 72
> >
> > Todd Atkins, K4MSW
> > Baton Rouge, Louisiana
> > <http://www.qsl.net/k4msw>
> >
> >
> >
> >
>

Date: Mon, 10 May 1999 11:16:57 -0500
From: "Chris Cieslak" <ccieslak@law.uiuc.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [40061] Re: Tuner
Message-ID: <00a501be9b00\$87838000\$0f1215ac@classifiedventures.com>

It'll work fine on both receive and transmit without power as long as it's
not dark out-- then you won't be able to see the meter :)

73 chris aa9hd

> Only on receive!!!
>
> On Mon, 19 Apr 1999 08:18:31 -0500 "Charles Hamel" <cdhamel@pdq.net>
> writes:
> >>
> > Other words does the MFJ-971 work without power?
> >
> > Thanks, Charles
> >
> >

Date: Mon, 10 May 1999 09:35:17 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: Chris Cieslak <ccieslak@law.uiuc.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [40062] Re: How to stick transparency to front panel?
Message-ID: <Pine.BSF.4.10.9905100925220.7117-1000000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 10 May 1999, Chris Cieslak wrote:

> 3M "Artist Mount" is ideal if your hands are a bit shaky, since you can
> easily lift the paper and move it in case you didn't get it quite right the
> first time. 3M "Super 77" is more permanent, but is a bit harder to work
> with. Both are aerosol sprays available at most art supply stores.

I've used 3M's Super 77 adhesive with good results. My panels are painted an almond color as a matter of personal taste. A side benefit is that adhesive yellowing won't be noticeable. I've never developed a spray technique that applies such an even coat that there are no air bubbles present once the transparency is applied. To solve that problem, I use a wallpaper seam roller, about an inch wide, and flatten out the glue/transparency. A bit of the adhesive does bleed out from the edges, so be ready to clean it up with some solvent.

73,
Bob - W3CD

> >
> > > What I'm looking for is a transparent
> > > sticky material that will hold the entire surface of the
> > > transparency to the front panel.
> > >
> > > Anyone know of a clear, non-yellowing spray adhesive?
> > >
> > > Peter, KA1AXY
> >
> >
> >
>
>
>

Date: Mon, 10 May 1999 09:40:18 -0700
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Subject: [40063] CW speed and DXing
Message-ID: <37370BF2.51C9@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Most (not all...) DX stations will try to drop their speed down to the speed you use calling them. But the fact remains that they would prefer to go full bore. In my experience in chasing DX since become more active in 1994, I have taken the challenge to improve my receiving abilities to the speeds used by DXpeditions and in DX contests. Do two serious DX contests and see if your speed, both copy and send, doesn't pick up a bunch.

While a DX op will generally slow down for you, it tends to be an aggravation to them if they are either running a DXpedition or in a DX contest. If they could have two high speed Qs in the time of your single slow one it would be to their competitive advantage. If you cannot send cleanly at that clip, then preload the exchange in your memory keyer and crank the speed up when you send it to them. (You DO have a memory keyer, don't you??? a Tick 3, for instance, is very modestly priced)

One can become trained (RUFZ, etc.) to pick out callsigns at speeds much higher than one could send conversational code. That fact is relied upon by these ops.

Stop "whimpering" and give it a try. You might like it! I did.

Allan K7GT

--

	/	
	/	
Allan Taylor, PE K7GT	/Z \	FISTS 3222 QRP-L 1016
k7gt@arrl.net	/ /599 \	ARS 228 NorCal 2018
operating nr SF/Oakland CA	/_ /____ __\	DXCC and WAS 40/cw
..."QRP, QRO, or barefoot..."...	[\-----/	http://www.qsl.net/k7gt

~~~~~

-----

Date: Mon, 10 May 1999 09:44:31 PDT  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [40064] Great DX Conditions  
Message-ID: <19990510164431.830.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-type: text/plain; format=flowed;

Wow! I heard a lot of DX this weekend (RN3DN, UR8MA, RV3QW, T95A, J69AZ, etc.) on 20 meters. The last guy was on 20 Watts. You can sure tell that the solar flux is up! And I don't even use an external antenna at my QTH (California, Bay Area).

Brad

Real QRP -- 0 Watts, no license

-----  
Get Free Email and Do More On The Web. Visit <http://www.msn.com>

-----  
Date: Mon, 10 May 1999 12:04:39 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [40065] "MINI" DDS VFO : Status  
Message-ID: <199905101648.MAA03936@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Howdy,

Some of you might be wondering what happend to the 9835 MINI DDS VFO, especially those who have already sent a check for one :-)

I've been waiting for a back ordered xtal to arrive. Some of them showed up late last week and the rest should be here soon. I'll start to get the back log out some time this week. In the mean time, I've been working on the program and have added a couple of features.

One, there is now a A/B Memo function, where you can store a frequency and toggle back to it. I've always found that to be handy.

Two, the VFO now supports up to three programmable tuning ranges,

allowing multi-band operation. Unfortunately, using this feature disables the keyer function, as the band selection uses the keyer input port pins.

The Mini dds vfo was designed to up-grade many common qrp rigs to DDS tuning and takes up very little front panel space, being only 2"W x 1.6"D x 0.5"H. Features include RIT, 10, 100, 250 Hz and 5 Khz tuning rates, knob tuned, LED Dial, A/B memo, three programmable tuning bands, built in 10-40 wpm keyer and side tone, operating range of 100 KHz to 9.5 MHz. Asembled and tested for \$55.00 + shipping. (requires frequency counter for set up)

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Mon, 10 May 1999 10:52:20 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: Hans =?ISO-8859-1?Q?Sundstr=F6m ?= <hans.sundstrom@telia.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [40066] Re: SV: Winter Issue of QRPP, Who gets it  
Message-ID: <Pine.SUN.4.10.9905101049330.20097-100000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Became a member early february. But will obviously not get a copy.  
> So now I am BEGGING:  
> Could anyone more fortunate please help me to photocopy the QRPP and mail to  
> Sweden. Since I am way over here I have no chance of doing it myself after  
> borrowing the copy from a neighbor.  
> Of course I will pay for the costs.  
> 73  
> Hans / SM4ATJ  
>

Hans,  
Send me your mailing address privately and I will mail you an actual  
real issue of the winter QRPP. We wouldn't want to deprive Sweden.

72, Paul NA5N

-----



Date: Mon, 10 May 1999 11:25:56 -0500  
From: "W5TB - 'Doc' Drake" <w5tb@SoftHome.net>  
To: cdhamel@pdq.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [40067] Re: Tuner  
Message-ID: <v04011700b35cb86be224@[10.4.13.180]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>On Mon, 19 Apr 1999 08:18:31 -0500 "Charles Hamel" <cdhamel@pdq.net>  
>writes:  
>>>  
>>Other words does the MFJ-971 work without power?

Sure Charles, I use mine without 12v power all the time while operating portable. The 12v is only used to light the meter. The 971 is a great little tuner, I've used it with twinlead, coax, and end fed random wires with excellent results.

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>  
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365  
ARRL Life Member

-----  
Date: Mon, 10 May 1999 10:01:18 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-l@lehigh.edu>  
Subject: [40068] Correction of CutOff Date for Winter QRPp  
Message-ID: <01be9b06\$b93dd9a0\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

It has been drawn to my attention that the cutoff date for the winter issue was Feb. 20th, 1999. My apologies, another mistake. Darn I hate that when it happens. I was super QRP busy this weekend. Went to the Fresno ARC hamfest at Riverland Park and spent several hours with one of my favorite people, Bill Jones, KD7S, and his lovely wife Merle. Bill was doing lots of qrp demos, had his NorCal shirt on, and was spreading the faith.

I got home about 2:30 and spent the rest of the day until about 10:00 PM working on finishing up the graphics on QRPp for Spring 99. There are 24

schematics in the issue, and some of them take quite a bit of work to get them to print clearly. That is not counting the Hints & Kinks section that Paul will be doing.

Sunday, I spent most of the day getting the masters to print, but they are finally done and will go in the mail this evening.

By the way, the cut off for the Spring issue was yesterday. We have to get caught up and I have the Summer issue to do before I leave for HamCom. 72, Doug, KI6DS

-----  
Date: Mon, 10 May 1999 12:16:08 -0500  
From: "Bill Johnson" <b1ljohn@msn.com>  
To: <marion@montana.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [40069] RE: Let's liven up 80 m: "top band" for QRP?  
Message-ID: <003201be9b08\$cb0e2ca0\$25f1fbd0@bill>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Looks like we all need to start hanging out on the 80 meter QRP calling freq. I will run my K-2 on repeat eves. until I get a response.

Bill  
K9YEQ  
b1ljohn@msn.com  
MNQRP Club  
K-2, NC-40A, 38S, LDG QRP Auto tuner

-----Original Message-----

R

>

I sure would like to get a response to my CQs on 3.560 as well. I put the K2 or Sierra on 80 a few times a week, and have only once got a response. I have made more QRP QSOs on 160. Roy AB7CE, Montana

-----  
Date: Mon, 10 May 1999 12:16:05 -0500  
From: "Bill Johnson" <b1ljohn@msn.com>

To: <na5n@rt66.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [40070] RE: Hooked on Phonics (QRP Ver.)  
Message-ID: <003101be9b08\$c97b57a0\$25f1fbd0@bill>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Paul,

I take exception to N = "Not used". ;-) Much too confusing. Reminds me of the listener's confusion when I give my call phonetics while the other party is mobile in the middle of winter, "Canine Your Engine Quit". How about N = Newfoundland? :-)

Bill  
K9YEQ  
b1ljohn@msn.com  
MNQRP Club  
K-2, NC-40A, 38S, LDG QRP Auto tuner

<-----Original Message-----

...

FIRST OFFICIAL SSB QRP PHONETIC ALPHABET  
(Pronunciation in parenthesis)

|                           |                           |
|---------------------------|---------------------------|
| A - Aardvark (ARD-vark)   | M - Mneumonic (NEW-monic) |
| B - Bjork (Vyork)         | N - Not Used              |
| C - Czar (Zar)            | O - Occult (AAH-cult)     |
| D - Djibouti (GEE-bootie) | P - pneumatic (NEW-matic) |
| E - Eureka (YOU-reeka)    | Q - Qatar (KAY-tar)       |
| F - Fjord (PHEE-yord)     | R - Rwanda (ROO-wanda)    |
| G - Gnat (Nat)            | S - Scent (CENT)          |
| H - Heirloom (AIR-loom)   | T - Tsunami (SOO-nami)    |
| I - Iguana (EE-guana)     | U - Uganda (OOH-ganda)    |
| J - Juan (Wan)            | V - VHF                   |
| K - Knee (Nee)            | W - Wrap (Rap)            |
| L - Llama (YAM-ma)        | X - Xenon (ZEE-non)       |
|                           | Y - Yukon (YOU-kon)       |
|                           | Z - Zucchini (ZOO-keenie) |

...

That's Pnuematic-Aardvark-Uganda-Llama  
>

-----  
Date: Mon, 10 May 1999 12:23:20 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: <k7gt@arrl.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [40071] RE: CW speed and DXing  
Message-ID: <000001be9b09\$cdc8c350\$d8016f81@muenzlerk.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Very good point Allan. It is pretty easy to pick out a callsign sent quickly. I call it "buffering" or "retro-copying."

Kevin, WB5RUE

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU  
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> Allan G Taylor  
> Sent: Monday, May 10, 1999 11:40 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: CW speed and DXing  
> ....  
> One can become trained (RUFZ, etc.) to pick out callsigns at speeds  
> much higher than one could send conversational code. That fact is  
> relied upon by these ops.  
>  
> Allan K7GT

-----  
Date: Mon, 10 May 1999 13:30:10 EDT  
From: Dean W Manley <kh6b@juno.com>  
To: qrp-1@Lehigh.EDU  
Cc: Peter\_DL2FI@csi.com, kh6b@juno.com  
Subject: [40072] Re: Let's liven up 80 m: "top band" for QRP?  
Message-ID: <19990510.073154.5391.0.kh6b@juno.com>

Peter and group,

May I also join in on the 80 m activities? This will allow me to erect an eighty meter antenna, sooner than later! I'll be

listening. Then perhaps during the sunrise/sunset times  
-gray line- I'll be calling. I'll have my K2 ready and maybe  
even a Pixie 2. I have a couple of Smites, not constructed.  
I will attempt SMT sometime soon.

I was very active in Michigan in the 1950s on 80m. As  
W8FGB, I was QRP with one watt, checking into QMN  
traffic net on 3663.

Aloha,  
Dean KH6B  
Hilo Hawaii

Peter DL2FI wrote:

>For DX BOTH ends MUST have darkness in the opposite direction. What I  
mean is: If I try to connect a 5000 miles and more distance station WEST  
of me, the area  
EAST of me must be dark AND the area WEST of my partner also must be  
dark.

> Making contact on 40 then moving down to 80 is another possibility.  
>

---

You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

---

Date: Mon, 10 May 1999 10:38:04 PDT  
From: "Neal Sacon" <nsacon@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [40073] 80M CW  
Message-ID: <19990510173804.4297.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-type: text/plain; format=flowed;

Ok, I'll bite. What is the 80M QRP calling freq?

I, too, have fond childhood memories of 80M and frequently lament the  
silence of what was once an active 80M novice band. Sometimes, I'm just not  
in the mood for 40.

73

Neal KK7PA

-----  
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-----  
Date: Mon, 10 May 1999 10:41:49 -0700  
From: "Dennis B. Dolle" <dolledb@cet.com>  
To: <qrp-1@lehigh.edu>  
Subject: [40074] HP 1740A Probes  
Message-ID: <003601be9b0c\$63bd0f40\$5e5a60ce@dolledb>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Fellow Masochists,

I recently acquired an HP 1740A oscilloscope for QRP experimentation. I've never owned one of these devices. What should I look for in buying probes for this scope? I know that probe capacitance is an issue. Do I need probes specifically for the 1740A, or will any general-purpose 100 mHz probe do the job?

Dennis, K7YN  
Spokane, WA

-----  
Date: Mon, 10 May 1999 13:45:50 -0000  
From: "KD4NIX - Will Branch" <kd4nix@qsl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [40075] Re: "MINI" DDS VFO : Status  
Message-ID: <01f201be9aeb\$6b2dac60\$b4958bd0@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Steve,

Do you have a web page for more information on your product?

Sounds interesting... (I'm a new QRP-L member)

Thanks,

Will Branch, kd4nix

----- Original Message -----

> Howdy,

>

> Some of you might be wondering what happened to the 9835 MINI DDS VFO,  
> especially those who have already sent a check for one :-)

[Snip]

> The Mini dds vfo was designed to up-grade many common qrp rigs to DDS  
> tuning and takes up very little front panel space, being only 2"W x  
> 1.6"D x 0.5"H. Features include RIT, 10, 100, 250 Hz and 5 KHz tuning  
> rates, knob tuned, LED Dial, A/B memo, three programmable tuning  
> bands, built in 10-40 wpm keyer and side tone, operating range of 100  
> KHz to 9.5 MHz. Assembled and tested for \$55.00 + shipping. (requires  
> frequency counter for set up)

>

> 72,

> Steve, KD1JV in the white Mountains of New Hampshire

> "melt solder"

-----

Date: Mon, 10 May 1999 10:50:25 -0700

From: "KQ6XY" <kq6xy@goldrush.com>

To: <b11john@msn.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [40076] Re: Hooked on Phonics (QRP Ver.)

Message-ID: <013901be9b0d\$95dad7e0\$05a9abce@goldrush.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

The correct spelling for "Mnemonic" (NEW-monic) is Mnemonic (NE-monic).

--Larry

----- Original Message -----

From: Bill Johnson <b11john@msn.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, May 10, 1999 10:16 AM

Subject: RE: Hooked on Phonics (QRP Ver.)

>Paul,  
>  
>I take exception to N = "Not used". ;-) Much too confusing. Reminds me of  
>the listener's confusion when I give my call phonetics while the other  
party  
>is mobile in the middle of winter, "Canine Your Engine Quit". How about N  
=  
>Newfoundland? :-)  
>  
>Bill  
>K9YEQ  
>b1ljohn@msn.com  
>MNQRP Club  
>K-2, NC-40A, 38S, LDG QRP Auto tuner  
>  
><-----Original Message-----  
>...  
>FIRST OFFICIAL SSB QRP PHONETIC ALPHABET  
>(Pronunciation in parenthesis)  
>  
>A - Aardvark (ARD-varK)                    M - Mneumonic (NEW-monic)  
>B - Bjork (Vyork)                         N - Not Used  
>C - Czar (Zar)                            O - Occult (AAH-cult)  
>D - Djibouti (GEE-bootie)                P - pneumatic (NEW-matic)  
>E - Eureka (YOU-reeka)                   Q - Qatar (KAY-tar)  
>F - Fjord (PHEE-yord)                    R - Rwanda (ROO-wanda)  
>G - Gnat (Nat)                            S - Scent (CENT)  
>H - Heirloom (AIR-loom)                   T - Tsunami (SOO-nami)  
>I - Iguana (EE-guana)                    U - Uganda (OOH-ganda)  
>J - Juan (Wan)                            V - VHF  
>K - Knee (Nee)                            W - Wrap (Rap)  
>L - Llama (YAM-ma)                        X - Xenon (ZEE-non)  
>                                            Y - Yukon (YOU-kon)  
>                                            Z - Zucchini (ZOO-keenie)  
>  
>...  
>That's Pnuematic-Aardvark-Uganda-Llama  
>>  
>  
>  
>  
>  
>

-----



Date: Mon, 10 May 1999 13:38:27 -0500  
From: "Brad Bradfield, PE" <b\_bradfield@yahoo.com>  
To: na5n@rt66.com, qrp-l@lehigh.edu  
Subject: [40077] Re: Hooked on Phonics (QRP Ver.)  
Message-ID: <373727A2.D34D6931@yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello Paul and the group - -

I used to have a registered beagle (now gone to the great rabbit hutch in the sky) and his formal name, registered with the American Kennel Club, was Able Baker Charlie Dog; Charlie for short.

See you at HAMCOM.

Oh, well.

Brad, W5CGH

-----  
Date: Mon, 10 May 1999 11:12:56 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <pierce@rice.edu>  
Cc: <qrp-l@lehigh.edu>  
Subject: [40078] Regen Challenge from Mr. Firth  
Message-ID: <01be9b10\$bb4b2a40\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

George, you misunderstood the challenge between Mr. Firth and myself. We will both enter the Regen building contest, but we have a separate challenge between the two of us. I do not presume for an instant to think that I could ever defeat some of the finest builders and craftsmen in the land who will be entering this contest, but I will enter none the less. You are absolutely right too, when you mention Mr. Fishpool as an excellent builder.

Both Graham and I are looking forward to the little side contest that we have between us. You see, one of us has to win, as there are only the two of us in this little sidebar to the "Main Event".

By the way, I am still busy collecting circuits, but I think that when it comes down to it, I will build the NA5N circuit (it also should not hurt that he will be one of the judges, and judges may be partial to their own designs. After all, we are going to be in Texas and everyone has fun in Texas!!)

We now have 72 QRPers preregistered for HamCom. Send me an email with your name and call if you would like to have a special commemorative laminated HamCom QRP ID badge with your name and call on it. Please put Hamcom badge in the subject line. You will also be entered into a drawing for a NC20 Transceiver and San Luis Machine custom anodized case for the preregistered attendees. Be sure and let us know! It is gonna be a BIG Texas size party, June 11, 12 & 13 in Arlington (near Dallas). 72, Doug, KI6DS

-----  
Date: Mon, 10 May 1999 13:45:01 -0500  
From: "Brad Bradfield, PE" <b\_bradfield@yahoo.com>  
To: qrp-l@lehigh.edu  
Subject: [40079] Re: ANALOG VOLTMETERS  
Message-ID: <3737292D.8DED0C43@yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

OBTW, "as-is" condition in this case turned out to be working like a champ. Your mileage may vary.

Oh, well.

72's es 73's,

Brad, W5CGH

-----  
Date: Mon, 10 May 1999 11:26:21 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-l@lehigh.edu>  
Subject: [40080] ATTENTION DEADLINE FOR SPRING QRPP May 20th  
Message-ID: <01be9b12\$9a9dc4e0\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Guys, Preston Douglas brought to my attention that some guys are just receiveing their winter 98 issues with the expiration date of winter 98 on it, (in otherwords, they are just finding out that their subscription to QRPP has run out). So, in fairness to them, we are extending the deadline to get your renewal check to Jim Cates to May 20th. But that means that Jim must have it by then. Don't mail it the 17th and expect it to arrive in time. Check your renewal date on your winter 98 issue. If it says last issue winter 98, you have an expired subscription. Please send a check to Jim Cates, 3241 Eastwood Rd., Sacramento, CA 95821 for \$15 US & Canada, DX \$20 US Funds only, make checks out to Jim Cates, NOT NorCal. Thanks to Preston for the heads up. 72, Doug

-----  
Date: Mon, 10 May 1999 11:17:29 -0700  
From: Bradford D Bilbrey <bigdawg74@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [40081] CW Speed, mistakes.  
Message-ID: <19990510.112049.3438.2.bigdawg74@juno.com>

In light of the posts email mistakes & on CW speed, I thought I would throw in my 2 cents. I am returning to CW after many years of absence and am currently working on getting my head copy speed up to 30 WPM ( im not even close yet ). I have noticed that most CW Ops do not cut the speed down to my calling speed or answering speed. On the positive side the faster speed is a challenge to copy and helps improve my speed. However if the CW Op send too fast, I just sit there in bewilderment, picking out only a small fraction of the message. Now if you like if you like to send info that can't be copied ( it's like talking to yourself), speed on! On another note, if your sending speed is so fast you can't help but make mistakes, then slow down. I have had QSO's with CW Ops that have to send QTH info as many as 4 times before they get it right. Everyone doesn't share the same technical or cognitive skill levels so don't expect or demand perfection. Just my opinion, all flames welcome.

Brad  
KE7MU

-----  
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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 10 May 1999 14:27:07 -0400  
From: "Jerry W. O'Dell" <jwodell@ameritech.net>  
To: qrp-1@lehigh.edu  
Subject: [40082] speed  
Message-ID: <19990510183134.CPLI9432@default>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gentlemen:

25 wpm is not fast code. Never has been, never will be.

It would be lovely if the people in the pileups will slow down to accomodate you, but they generally don't.

Personally, I adjust my speed to that of the receiver, but in a contest, you just can't. You'll lose too many points.

I will entertain all whines about how hard code is privately.

73 jerry w8gnd

-----  
Date: Mon, 10 May 1999 11:46:17 -0700  
From: william h ross <k6mgo@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [40083] 80M antennas  
Message-ID: <19990510.115406.-79693.0.k6mgo@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Just got my June issue of Worldradio and there is a article of the "Petlowany" antenna on pg. 50. This is a follow up article that appeared in March 98 issue. For those who didn't see it, the Ant. uses a flat, spiral, wound coil no more than 24 inches in diameter. Would this be great for those of us who can't put up a outside antenna, or what. I am using a 64 ft. doublet, ladder line fed, zig- zaged ant. in the rafters of my garage, it works ok or 40M and up, but with one of these things, I could maybe get on 80M. Also the guy who wrote the second article, WA8ABE, used one coil for a counterpoise for his mobile ant. He used a 4.0 mHz one for 15M mobile.

Was wondering how that would work with a SLV as a counterpoise? Any of you antenna mavens have any thoughts on the subject. Worldradio, as per usual is very light on details. 72, Bill, K6MGO  
Marina Del Rey, CA

-----  
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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 9 May 1999 14:20:15 -0700  
From: "C. Lamar Derk" <n3at@ptd.net>  
To: <qrp-l@lehigh.EDU>  
Subject: [40084] QRPp  
Message-ID: <000201be9a67\$7a436a20\$1f01bacc@n3at>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

QRPp has finally arrived in the Pocono Mountains of Eastern PA

72 de Lamar

P.S. What a great issue!

-----  
Date: Mon, 10 May 1999 15:22:26 EDT  
From: PDouglas12@aol.com  
To: QRP-L@lehigh.edu  
Subject: [40085] 2N2/40, sites and thank-yous  
Message-ID: <6fac071a.24688bf2@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

I received my QRPp on Saturday, and like an actor who doesn't get to see the real movie until the premiere, I was eager to see how it all turned out. Wow. This project has been a winner from end to end. Start with a design by

Jim Kortge. I like to call his 2N2/40 low tech, high tech. He used the lowest common denominator transistor to build an exceptionally high performance, highly engineered transceiver which incorporated most of what the front line designers have learned since the advent of direct conversion QRP-style receivers in the late seventies. I can't describe the quality of the receiver without your hearing it for yourself. I'll try to hook mine up to an antenna at Dayton, if I get the chance, to show you how it sounds. With the noise level as low as it is, the darn thing sounds like it's a direct conversion rig, except it has selectivity, and the S/N ratio is great. Here, indeed is a project worth building for the end product, rather than just experience.

Of course, I'd seen a copy of Jim's article, and some of the preliminary illustrations by Paul Harden. I had no idea that the illustrations would rise to the level of professionalism they reached. I am old enough to remember when Popular Electronics used to publish tube designs with schematics and "pictorials" which were wiring diagrams with the parts pictured in "free space" to show how to wire up the project. The art work here is at or above that level. Plus the teaching, illustrations, examples, spectrum analysis, and how-tos. Man, he's good.

And Doug's setup, editing, and plain hard work.

I am proud to even be in that magazine. Thanks, guys for letting me play.

For those who missed it before, note that the color, full sized version of the WJ2V layout sheets are to be found on my simple website:  
<http://hometown.aol.com/pdouglas12/page/index.htm>

And Han, looks like you're going to get your QRPP! Good. Start gathering the parts and meet back here with your questions. :-)

This is going to be one of those "hot" summers with the 2N2/40, plus Jim's next surprise (not allowed to tell), plus Dave Benson's DDS rig coming out in the next week or two, plus the first commercial run of the K2 in the next few weeks, not to mention Wayne's new "project" about to be born in the next few days. :-) As someone said, if you're not having fun you're doing it wrong. There's an understatement!

72,

Preston WJ2V

-----  
Date: Mon, 10 May 1999 14:32:14 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: <jwode11@ameritech.net>, "'Low Power Amateur Radio Discussion'" <qrp-

l@Lehigh.EDU>  
Subject: [40086] RE: speed  
Message-ID: <000001be9b1b\$d6a6caf0\$d8016f81@muenzlerk.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

That's not a fair statement Jerry. 25 WPM is fast to most hams. Just because you might be able to copy 30 or 35 wpm (puff puff) doesn't mean 25 is "slow." I can copy, for short periods, 40 WPM in my head because I learned to listen for words and not letters (and I've been doing it 25 years now). There's NO WAY that I can write that fast so I take notes as I copy. I think lots of hams do that. We should be here to encourage hams to get their code speed up and not beat them down just because they can't copy as fast as you. I agree that the FCC made a big mistake with the no-code tech license but we shouldn't beat up on them (techs) because they took advantage of that mistake. Encourage new hams don't belittle them because they are green. Do you remember your first QSO? I do! I answered a guy that was sending faster than I could reliably copy because he was a DX station. Yes, my first QSO was a DX station. He was very patient with me and slowed right down to my speed. I do agree that in contests and pile-ups all bets are off and the fastest fist usually wins.

Kevin, WB5RUE

Leenyers? We dunt need no steenking leenyers!

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU  
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> Jerry W. O'Dell  
> Sent: Monday, May 10, 1999 1:27 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: speed  
>  
>  
> Gentlemen:  
>  
> 25 wpm is not fast code. Never has been, never will be.  
>  
> It would be lovely if the people in the pileups will  
> slow down to  
> accomodate you, but they generally don't.  
>  
> Personally, I adjust my speed to that of the receiver, but in a

> contest, you just can't. You'll lose too many points.  
>  
> I will entertain all whines about how hard code is privately.  
>  
> 73 jerry w8gnd  
>  
>

-----  
Date: Mon, 10 May 1999 15:36:22 -0400  
From: "George Goodroe" <goodroe@worldnet.att.net>  
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [40087] used O'Scopes???  
Message-ID: <000801be9b1c\$647dace0\$c7dcfea9@ggoodroe>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello All,

A few weeks ago, someone listed an outlet for used oscilloscopes...could you reply to me privately with the information.

73 de KF4CPJ  
George Goodroe, QRP-L #1943  
St. Petersburg, Florida USA  
80 Meter high noise capital of the USA <grin>  
<http://home.att.net/~goodroe>  
<http://www.qsl.net/kf4cpj>

-----  
Date: Mon, 10 May 1999 19:37:03 GMT  
From: mwattcpa@earthlink.net (Marty Watt)  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [40088] Re: ATTENTION DEADLINE FOR SPRING QRPP May 20th  
Message-ID: <37373455.170144304@mail.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

On Mon, 10 May 1999 11:26:21 -0700, ki6ds@dpol.k12.ca.us (Hendricks, =



Doug)  
wrote:

>Guys, Preston Douglas brought to my attention that some guys are just  
>receiveing their winter 98 issues with the expiration date of winter 98 =  
on  
>it, (in otherwords, they are just finding out that their subscription to  
>QRPP has run out).

This would be me ... recieved mine today (Memphis, Tennessee), and my  
subscription expired. Luckily, I renewed ARCI and NorCal on March 15, =  
for two  
years each. Hopefully I won't get caught so short again.

It would be nice if there were a list (current) of members and current  
expiration dates on QRPP subscriptions somewhere. If it is too difficult=  
to  
compile, don't worry about it (you guys do too much already!), but if =  
it's  
easy, why not put the information on the web page?

Just a thought or two. Excellent issue. If I'd known team N4ROA placed  
second last year in TTF, I might have offered more help this year to N4DD  
(same group, different call).

--

72 es 73 de Marty, KM7W

-----=  
-----  
Memphis, Tennessee =  
<http://home.earthlink.net/~mwattcpa>  
VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =  
EM55ce  
CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =  
Vengeance"  
Member -- Tennessee Contest Group

-----  
Date: Mon, 10 May 1999 20:29:33 +0100  
From: peter barville <peter@barville.demon.co.uk>  
To: QRP-L@lehigh.edu  
Subject: [40089] QRP Dx and Contest Info  
Message-ID: <TvkWHPAdOzN3Ew9w@barville.demon.co.uk>  
MIME-Version: 1.0

Hi all ..

I am Communications Manager for the G-QRP Club, and for some time now have been providing up to date information about QRP Dx operations (from rare and/or interesting locations), along with QRP contest dates, on my Website at: < <http://www.barville.demon.co.uk> >

I have now opened a Website at < <http://www.qsl.net/g3xjs> > which will (for the time being) mirror my site at "Demon". I may be closing my "Demon" account shortly, and so perhaps you might like use the "qsl.net" address in future.

If you have not looked at my Website before, you may like to give it a try. It's nothing special - I promise to try and improve my html skills, Hi! - but you could well find information there about a QRP Dx station you would like to work, or a contest to interest you.

If you are planning to operate QRP from an exotic location (the holiday season is upon us!), then please drop me a line and I will include the details on the Website, for the benefit of all QRPers.

Thanks for listening ..

--

For up to date information on QRP Dx operations, and QRP contests:  
<http://www.qsl.net/g3xjs>

72, peter g3xjs    g3xjs@qsl.net            (G-QRP # 3001, ARCI # 8572)

-----  
Date: Mon, 10 May 1999 15:48:10 -0400  
From: Mark Sailer <[msailer@msailer.rhic.bnl.gov](mailto:msailer@msailer.rhic.bnl.gov)>  
To: Low Power Amateur Radio Discussion <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [40090] Winter/Spring issues  
Message-ID: <373737FA.473577F7@msailer.rhic.bnl.gov>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Well, I'm new to the list and just recently found all this on the Web. After hearing all the rave reviews about the Winter QRPP, is there any way that I can get a copy of it. My check is going in the mail today and I hope I make the deadline for the Spring QRPP. I see I can get bound volumes of past years and wondering if the same will be for the current year?

--

Mark Sailer  
N2JTW

QRP-L member #1956

-----  
Date: Mon, 10 May 1999 15:49:59 +0000  
From: Michael Neverdosky <MichaelN@cycat.com>  
To: qrp-l mailing list <qrp-l@Lehigh.edu>  
Subject: [40091] AS-IS was ANALOG VOLTMETERS  
Message-ID: <3736F217.F0FDE990@cycat.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Always be careful about the descriptions given by sellers at hamfests.

I was given a computer monitor by a fellow who gave me a guarantee that it did NOT WORK. I got home and found out his gaurantee was no darn good.

: -))

michael N6CHV

b\_bradfield@yahoo.com wrote:

>

> OBTW, "as-is" condition in this case turned out to be working like a  
> champ. Your mileage may vary.

-----  
Date: Mon, 10 May 1999 16:04:06 EDT  
From: Richard Rood <fcsww@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [40092] Re: Tuner  
Message-ID: <19990510.160302.4879.0.fcsww@juno.com>

Charles, OM,

I too had an MFJ tuner (differant model) with a miniature phone socket

for illuminating the meter. Well I took some voltage off the back of my rig and plugged in the bare phone plug to illuminate the meter and ZAP! went my power supply. I hit ground before the plug seated correctly.

It was a bad zap and my power supply required trouble shooting and fixing. I later used the tuner successfully for many years with out the illuminated meter.

"Power" for the tuner is the output of your rig. That input on the rear is solely for illuminating the meter.

If you want to illuminate the meter, be careful with a potentially hot phone plug!

dick, w2scf, qrp-l 1613

On Mon, 19 Apr 1999 08:18:31 -0500 "Charles Hamel" <cdhamel@pdq.net> writes:

>Hi all,

> I have a MFJ 971 Tuner and on the back it has a plug for a  
>12v

>supply for meter, does this mean If I don't need the light on the  
>meter,

>that I dont need power to my antenna tuner.

>

>Other words does the MFJ-971 work without power?

>

>Thanks

>

>Charles

>

>

---

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or call Juno at (800) 654-JUNO [654-5866]

---

Date: Mon, 10 May 1999 16:19:41 -0400 (EDT)  
From: Chris Cartwright Sr <ccart@phideaux.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [40093] Dayton, Paddles, new N3XRV email, etc... (long)  
Message-ID: <Pine.LNX.4.04.9905101523410.16325-100000@dns.phideaux.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ahhh... Good to be back! Work has been so crazy lately that the "vacation" to Dayton will be mostly "decompression" time from work. I've only had time to read a few posts to the list, and have had to apply the DEL key liberally just to try and keep up. But...

Dayton commeth! The USS Maryland Milliwatt (aka Counterpoisius Maximus) will be pulling away from the dock sometime Wednesday night, and arriving in Miamisburg in the wee hours of Thursday morning. After a stop by the Columbus airport to get N7JI. If I don't pick him up, you guys don't eat :) As with all good ships, multiple CW ops will be aboard. Two "steerage" cabins are available aboard the USS MDmW if someone near FM19 is looking for a ride westward.

In a repeat performance, (we were a bit of a hit at Atlanticon) N3BYY and myself will be bringing a few paddles to be test driven during the Radio Show, and Vendors night, and whenever we can find a little space set up some paddles and the keyer. Right now, there will be a Hensley, Mercury, Schurr Profi, Czech, MFJ, etc, to test drive, play with, oooh and ahhh over, no drooling please. Realizing that most folks don't get to "try before they buy" here's a chance to see if \*need\* to spend \$5K on a paddle, or if 10db down (\$500) is enough:)

(NOTE: we'd like to have a WBL there for comparison, but it hasn't shipped yet. So if some trusting soul would like to bring one, drop me some email)

Email. The life blood of this list, the bane of my every work day:( Some of you may have noticed that my email address has changed. It's now ccart@phideaux.com got tired of chasing my ISP around to get my email, so I registeted the domain, setup the servers in my basement, and away we go. So now, all \*my\* email problems are really \*MY\* email problems:) At some point I'll put up a few web pages, but I'm a Unix Admin, and not a web guru. But my 18 y.o. thinks it's "kewl" to have that much hardware in the house, and does some decent web work. I'll have to put him to good use this summer before he heads for college.

Again this year I'm going to Dayton to "meet-n-greet" and not "try-n-buy", it's much more relaxed that way, and besides the XYL is \*much\* happier when I come home with less stuff than I went out with. Am I the only one this happens too? <snicker>

So, hope to see everyone out there. Have you driven a Mercury lately? This ain't your father's Hensley! cu in Dayton

N3XRV/M - QRV 80m thru 70cm - CW/SSB/AM/FM - 7000lb antenna rotator :)

```
-- Chris Cartwright,   Technical Engineer   |       ccart@phideaux.com       --
-- N3XRV      ARRL-VE   Norcal Zombie #163   |       Gaithersburg, MD FM19je   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

-----  
Date: Mon, 10 May 1999 15:23:14 -0500  
From: "Tom Moll" <tomm@xata.com>  
To: <qrp-1@lehigh.edu>  
Subject: [40094] WTB: Connectors  
Message-ID: <000b01be9b22\$ef231640\$4baa7acf@tomm.XATA-CORP>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Here's a long shot, but nothing ventured, nothing gained.  
I'm looking to buy some of the old offset 2 pin mic connectors  
commonly used on the older BA rigs. It is an Amphenol part  
number 80-MC2M. I'm looking for the male end that goes on  
the mic. Does any one have any they'd be willing to part  
with, or know of a source for them ? Thanks,  
Tom Moll    N0BS

-----  
Date: Mon, 10 May 1999 15:53:34 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [40095] (Fwd) Re: Shareware RF circuit analysis progra,  
Message-ID: <199905102037.QAA02917@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

New shareware RF circuit analysis program.

You can download it from      <http://www.nova2002.com>

>>

I use the old version, NOVA586 and is handy.

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Mon, 10 May 1999 15:37:55 -0500  
From: Dave Sjolín <sjolin@swbell.net>  
To: wb5rue@stic.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [40096] Re: speed  
Message-ID: <373743A2.39DFA2DA@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Kevin Muenzler WB5RUE wrote:

>  
> That's not a fair statement Jerry. 25 WPM is fast to most hams. Just  
> because you might be able to copy 30 or 35 wpm (puff puff) doesn't mean 25  
> is "slow."

My experience has been that except for Novice portion of band, 20-25 wpm  
is pretty standard. For contests and dx, it is slow. In extra class  
portion where the rarer dx hides, the speed is even higher.

I can copy, for short periods, 40 WPM in my head because I  
> learned to listen for words and not letters (and I've been doing it 25 years  
> now). There's NO WAY that I can write that fast so I take notes as I copy.

Who says you have to write it down, except for license test. I only  
record callsign, rst, name and location and the rest is all copied in  
head. If its dx, its just call and rst. No need to write it down.

73 de Dave, N0IT

-----  
Date: Mon, 10 May 1999 16:46:44 -0400 (EDT)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: KQ6XY <kq6xy@goldrush.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [40097] Re: Hooked on Phonics (QRP Ver.)  
Message-ID: <Pine.GS0.4.10.9905101633080.1521-1000000@larry.cas.utk.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

>The correct spelling for "Mnemonic" (NEW-monic) is Mnemonic (NE-monic).

Or Pneumonic (NEW-monic) [related to pneumonia], although P might also use Pfizer (FIGHTS-her).

Also try "ghoti." "gh" as in "rough." "o" as in "women." "ti" as in "relation." Hence, pronounced "FISH."

Of course, what is now called "phonics" used to be called "phonetics." As with most things today, a change in name means a new claim to fame and fortune for stuff that has been around a long time. Look at all the special names attached to essentially old antennas. That is why you will never see a "W4RNL Boomenblast Antenna."

-73-

LB, W4RNL

-----  
Date: Mon, 10 May 1999 13:50:21 -0700 (PDT)  
From: Ron Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [40098] Re: speed  
Message-ID: <Pine.SOL.3.96.990510132933.15778A-1000000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I'd like to make an observation about code speed and etc....

Speed is all in the ears of the beholder! 10wpm seems fast when you are at 5wpm but slow when you are at 20wpm.

Everyone seems to remember that it's considered "proper" to slow down for the slower operators and I agree with that.

But please don't forget the "rest of the story" as Paul Harvey would say.

It is also "proper" to answer a CQ at the same speed the caller was going. This means that if I call CQ at 15wpm you should not call me at 30wpm. It's easy for us all to agree with this.....



But if I call CQ at 30wpm should you call me at 15wpm?

Adjusting speeds is a two way street folks!

However, in our modern day society, there seems to be something wrong with even thinking that we should have to work hard to improve our skills!

So while I have no problem with slowing down for those who are working on their skills, keep in mind that part of the whole picture is improvement!

There is nothing to keep most people from copying 25wpm code and writing it down on either paper, computer or just in your head. All it takes is time. A little bit every day.

While there are some who don't want any part of what they call "fast code", most would like to get up to "fast code", wherever that happens to be for us!

And take this to heart....QRPers seem to have a MUCH better attitude toward self improvement than any other group I've ever seen before! So pat yourselves on the back and slide the weight up another notch on the bug! :-)

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

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Date: Mon, 10 May 1999 17:18:16 -0400 (EDT)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: william h ross <k6mgo@juno.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [40099] Re: 80M antennas  
Message-ID: <Pine.GS0.4.10.9905101652140.1521-1000000@larry.cas.utk.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bill,

The antenna in question is a version of the helical dipole. A helical dipole can be of any length so long as the combination of inductance distributed along the length and the length of wire itself permit loading on the band of choice.

The WorldRadio version at 24" diameter seems a good choice, since the bigger the individual turns and the wider the spacing, the higher the gain of the antenna. Also, the bigger the diameter of the turns and the more wide spaced they are, the greater the vertically polarized component to the signal.

The key to an effective 80 meter signal from a horizontal antenna is height--even from a helical dipole--unless one is striving for near vertical incidence skywave (NVIS) propagation. A home version of the SLV with such ground radials as one can lay down might be a good alternative antenna. One can nest a 1/4" rod in a 3/8" tube in a 1/2" tube in a 5/8" tube, etc. of Aluminum (all available at such places as Texas Towers, for one) with the PVC base coils shown at the NORCAL site. While not the most efficient, due to base loading, it provides an alternative elevation angle for signals and may prove useful some nights. The all aluminum top section is also applicable to portable use, since the sections nest for storage and toting and do not require a wire run up an insulated rod.

A simple base-load vertical will work and provide contacts--I used an 18' base-loaded vertical sold by World Radio long, long ago--I think made for them by HyGain judging by the diameter reductions in the tubing. In fact, used to work GSN (GA CW traffic net) with it before changing QTHs to one with too many pine trees for that antenna. Similar antennas can be placed inside PVC to disguise them as flag poles, clothes-line supports, etc.

For base loading coils (or center loading coils for short dipoles), the best shape is a 1:1 ratio of diameter to length--or even higher for the diameter relative to length for max coil Q and lowest losses in that department. For home use, no need to make the base-loading coil too compact. A larger diameter coil of fat wire (soft copper tubing with the spacing between turns about equal to the wire/tubing size) maximizes Q. One can make a copper tubing coil form from crossed pieces of plexiglass with the edges indented to hold the tubing. With the plates a bit oversized, one can drill holes and then saw off the plexiglass through the holes to create a nice even pattern of indents for the turns.

Nothing in this note is newer than 1935, except that I have substituted plexiglass for bakelite.

Lots of 80-meter options. Good luck in designing the one that fits your QTH.

LB, W4RNL

-----  
Date: Tue, 20 Apr 1999 04:23:30 -0500  
From: "Charles Hamel" <cdhamel@pdq.net>  
To: "QRP List" <qrp-l@Lehigh.EDU>  
Subject: [40100] Re QRPP  
Message-ID: <012201be8b0f\$7671eaa0\$2d18dfd1@cdhamel>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I am another person who just subscribed to QRPP, but would love to get a copy of the newest issue everybody is raving about! I just got a copy of the Elmer -101 and all I can say is WOW!!

Great magazine!

Charles (KC5DXQ)

-----  
Date: Tue, 11 May 1999 07:26:59 +1000  
From: "Glen Torr" <glentorr@ozemail.com.au>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [40101] Cut off for QRPP  
Message-ID: <009d01be9b2b\$d73c39e0\$28c16ccb@hugo>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi All,

Darn, looks like I am snookered, at least thair is an option. I thought I saw a post in early Feb that the mailing list would close with subs recieved by (as I remember) about 20th Feb.

Any one else remember this or am I getting older and loosing my memory. :-).

Cheers

Glen Torr VK1FB

-----  
Date: Mon, 10 May 1999 15:14:52 -0600  
From: Brad Mugleston <bmug@gwl.com>  
To: "'qrp-1'" <qrp-1@lehigh.edu>  
Subject: [40102] Mods to Power Supple  
Message-ID: <01BE9AF7.DCFE3740.bmug@gwl.com>

I have one of the new Alinco Power supplies (Variable Voltage from 0 to 15 (I think) and up to 30Amps. The Amps meter goes from 0 to 40 amps - the indicator needle is about 2.5 amps wide.

Is there any way to put a switch on this unit so I can get a more accurate amps reading (divide by 10 or 20)? Most of the time the needle is less than 5 amps so it's hard to tell if it's working. Even on transmit it just moves a little.

Thanks

de KI00T, Brad

-----  
Date: Tue, 11 May 1999 07:30:10 +1000  
From: "Glen Torr" <glentorr@ozemail.com.au>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [40103] Forget my last post  
Message-ID: <00af01be9b2c\$48f78580\$28c16ccb@hugo>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Sorry All,  
Just got more email which answered my Q  
Glen  
VK1FB

-----  
Date: Mon, 10 May 1999 14:37:01 -0700  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <fifi@d@pacbell.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [40104] Re: Regens  
Message-ID: <28e901be9b2d\$4012a570\$140a0a0a@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Even a nice unpasteurized Stilton would be appreciated here.

Mike K1MG

AD6A wrote:

>Graham,  
>  
>You won't be able to bring any Wensleydale cheese with you,  
>more's the pity. It is fresh dairy produce and will be confiscated  
>by our freinds in the US Customs (do they get to eat it?).  
<snip>

-----  
Date: Mon, 10 May 1999 16:36:43 -0500  
From: mjfitz@uswest.net  
To: qrp-l posts <qrp-l@Lehigh.EDU>  
Subject: [40105] Diode Match-TNX!  
Message-ID: <3737516B.ED79D7B8@pop.omah.uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gals/Guys--

Thanks for the diode matching info. What threw me about using the regular diode checking range on the Fluke 77 was the decimal...the readout is the voltage drop across the diode. After a bit of calculating (DAH) I figured out this is "probably" rather proportional to the resistance...

Got the receiver front end of the 2N2/40 built last night...using punch-out pads (3/16) here, as usual. Whimped out on the double-bal mixer--using hot carrier diodes from one of Dan's mixer kits I got a while back that was on sale...Probably work on it some more tonite...

Thanks again,  
Mike KI0AF

-----  
Date: Mon, 10 May 1999 22:52:34 +0100  
From: "Graham Firth" <Graham.Firth@BTinternet.com>  
To: "Hendricks, Doug" <ki6ds@dpol.k12.ca.us>  
Cc: <qrp-1@lehigh.edu>  
Subject: [40106] Re: Regens  
Message-ID: <000c01be9b2f\$cbd42a00\$02010080@graham>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi

> Graham, I accept the challenge with pleasure. But,  
the stakes are far, far  
> too dear.  
Oh dear - I thought that being a Californian - you would  
be a high roller - but never mind, I'll accept the much  
smaller stakes!  
> I also propose that the judges be Mr. C. Adams from  
Dallas, Texas, Mr. P.  
> Harden from Socorro, New Mexico and you may choose two  
of your fellow  
> countrymen to represent your side. Since there will  
only be two Englishmen  
> in attendance other than yourself, I suggest that you  
have. Rev. G. Dobbs,  
> and Mr. T. Fishpool. We will ask these 4 to pick a  
5th judge from among  
> those in attendance. These honored and esteemed  
gentlemen shall determine  
> the outcome of our friendly wager Saturday night, June  
12, 1999, at 8:00 PM.  
Good - I'm glad to see that you have selected such fine  
upstanding and I am sure completely unbiased judges.

> Now, where did I put that solder???  
That's yet another idea for a Norcal kit - good quality  
solder!

Take care

72/3  
Graham  
G3MFJ/W3MFJ

-----  
Date: Mon, 10 May 1999 18:09:15 -0400  
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>  
To: qrp-l@lehigh.edu  
Subject: [40107] Re: How to stick transparency to front panel?  
Message-ID: <3.0.1.32.19990510180915.0073df80@mail49.cwix.com>  
MIME-version: 1.0  
Content-type: text/plain; charset="us-ascii"

At 08:16 AM 5/10/99 -0500, Bryan W8LN wrote:  
>You might want to experiment with 3M Spray Mount. I've never tried  
>it for this application, but it might work.  
>  
I've tried it with 3M 77 spray adhesive. Did not like the  
results, as the spray isn't very smooth, and makes the attached  
transparency look rather blotchy underneath. Just plain ugly  
to be blunt! :-)

Jim, K8IQY

-----  
Date: Mon, 10 May 1999 18:03:16 EDT  
From: K2UD@aol.com  
To: qrp-l@lehigh.edu  
Subject: [40108] QRPP, Mouser in that order  
Message-ID: <cffaaf28.2468b1a4@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I think it is clever how the Mouser catalog arrived after the Winter QRPP. I  
think even THEY were waiting for the issue! Hope their "operators are  
standing to take your order."

I may build 2 of Jim's rigs. One for my own selfish purposes, and one for my

#1 son who ought to be licensed by this summer. He asked if he could have his very own ham radio, and I explained "sure, but you will build it." A more perfect candidate could not be found!

-----  
Date: Mon, 10 May 1999 18:03:56 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [40109] Need Phone # (Antennas & More)  
Message-ID: <199905101807\_MC2-752C-61C1@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit

Gang:

Anyone know the current phone number for Antennas & More in Provo, UT? Must be that they changed their number. Sure hope they are able to be reached.

Anyway, thanks in advance for your assistance.

72,  
--Doc Lindsey/K0EVZ  
DSBF  
PO BOX 7187  
Bismarck, ND 58507  
70511.3041@compuserve.com

-----  
Date: Mon, 10 May 1999 15:18:03 -0700  
From: Jim <w7ls@blarg.net>  
To: nsacon@hotmail.com, qrp-l@lehigh.edu  
Subject: [40110] Re: 80M CW  
Message-ID: <37375B1B.795A618E@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I vote for 3686 KHz as the 80 meter calling freq, as crystals are only a buck or so, available lots of places, and they are in the novice band, which allows almost every ham to join in.



Jim W7LS

-----  
Date: Mon, 10 May 1999 18:09:54 -0400  
From: Tom Bowman <tbowman@nbn.net>  
To: qrp-l@lehigh.edu  
Subject: [40111] FS: Audio filters  
Message-ID: <3.0.5.32.19990510180954.0080f490@nbn.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Still cleaning up the shack:

MFJ active CW Filter, CWF-2, 80, 110, and 180 Hz wide at center,  
uses two 747 op amps, 9-volt battery. Clean, works. \$10 plus  
shipping.

Two Crud-O-Jects. These were written up in QST in Feb. 1972.  
These are passive audio filters, each made from three 88 mH toroids.  
One is designed for SSB, the other for CW. \$5 for the pair plus  
shipping.

Autek Research, QF-1A SSB/CW/AM active filter. Peak, notch, low pass,  
high pass, configurations. \$25 plus  
shipping

OR everything above for \$30 plus shipping.

-----  
<>< Tom Bowman, WA3REY, Mount Gretna, PA 17064

tbowman@mt-gretna.com QRP-L #125

<http://www.mt-gretna.com>

-----  
Date: Mon, 10 May 1999 16:30:34 -0600  
From: dcscott@us.ibm.com  
To: qrp-l@lehigh.edu  
Subject: [40112] RE: How to stick transparency to front panel?  
Message-ID: <8725676D.007BA73A.00@d53mta04h.boulder.ibm.com>

Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

Go to any office supply store and you'll find mylar sheets that already have an adhesive backing. They are stuck to a piece of protective backing paper. Available for inkjets, lasers, photocopiers, etc. Sold by the box or by the sheet and fairly reasonable. Just print on the front, peel off the backing and apply. You can spray a clear lacquer over the sheet first to protect the printing. I've been using these for years and they work great.

72 - dale/w7hlo

Dale C. Scott  
IBM -- Engineering Technology Solutions  
(206) 587-2784 8/277-2784

Internet: (work) dcscott@us.ibm.com  
(home) dcscott@ibm.net  
OV/VM: dcscott@ibmusm54

-----  
Date: Mon, 10 May 1999 18:24:46 -0400  
From: Hank Kohl K8DD <k8dd@contesting.com>  
To: k7gt@arrl.net  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [40113] Re: CW speed and DXing  
Message-ID: <4.1.19990510180708.0155ba80@192.0.0.1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 09:40 AM 5/10/99 -0700, Allan G Taylor wrote:  
>Most (not all...) DX stations will try to drop their speed down to the  
>speed you use calling them. But the fact remains that they would prefer  
>to go full bore. ....[snip].....  
>While a DX op will generally slow down for you, it tends to be an  
>aggrevation to them if they are either running a DXpedition or in  
>a DX contest.

Drop speed? Not hardly. Brutal thing to say, but 99% of the time it's not going to happen. Is it right or is it wrong? - Maybe - maybe not, but that's the way it is.

Who wants to work the DX station? - YOU do.

What do YOU have to do to work the DX station?

Learn to send and copy YOUR call at 30+ wpm - or what ever speed the DX station is using. Not real hard with a memory keyer and I can copy my call 15-20 wpm faster than I can copy anything else. Realize that no matter how loud your signal or how (forgive the word) puny your signal is, you are going to get a report that looks like:  
<your\_call> 5nn k      That's it. Push the next memory button that sends <DX\_call> 5nn k      That's all. DX says R, dit-dit, or something and goes on to the next one.

Is it right or is it wrong? - Maybe - maybe not, but that's the way it is. You want the QS0, the new country, the QSL?

There is an option. Take a day off work, school, etc during the last days that the DX station is going to be there. Listen to him/her until there are no takers to his/her CQ. Call him/her at your comfortable speed. Chances are he/she will slow down.

I'm going with a group to St Paul's Island the end of May, and assuming everything goes as planned, Thursday night May 27 I have 7040 reserved from dusk till there are no more QRP'ers left to work. During that time I'll be matching the speed of the responder and I most likely will be around 20 wpm. St Paul Island is on the top 100 "needed list" published by ARRL, so it's a chance to work a new one 2 X QRP.

73      Hank      K8DD

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End of QRP-L Digest 1453

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